



# ITS CONGRESS 2019:

# INNOVATION FOR

# SUSTAINABLE MOBILITY

Thursday, 3 October 2019, Bluepoint Building, Brussels  
[www.its.be/congress2019](http://www.its.be/congress2019)



CONGRESS BROCHURE



**WITH THE SUPPORT OF**



**BRUXELLES MOBILITÉ  
BRUSSEL MOBILITEIT**

SERVICE PUBLIC RÉGIONAL DE BRUXELLES  
GEWESTELIJKE OVERHEIDSDIENST BRUSSEL



**Flanders**  
State of the Art

 **Wallonie**  
**mobilité infrastructures**  
**SPW**



# WELKOM!

## De perfecte storm

Een explosie van innovatieve oplossingen en (vaak lokale) initiatieven knokt voor zijn plaatsje op de mobiliteitsmarkt: fiets-, step- en scooterdelen, nieuwe toegang tot openbaar vervoer, autodelen, carpoolen, ridesharing en elektromobiliteit, autonome shuttlediensten, de kantoorbus, verhuur op korte termijn, nieuwe vraag gedreven vormen van microtransit en micromobiliteit zoals elektrische steps, hoverboards, segways of monowheels ...

MaaS - mobiliteit als een dienst - bundelt deze diensten en maakt naadloze deur-tot-deur verplaatsingen mogelijk op maat van het individu. "Combimobiliteit" wordt daarbij zo eenvoudig mogelijk gemaakt door overkoepelende platformen en apps, die het plannen, het boeken, ticketing en de betaling voor verplaatsingen op de achtergrond integreren. Het potentieel is enorm.

In combinatie met de indrukwekkende transitie naar elektrische, autonome en samenwerkende voertuigen, en met innovaties in infrastructuur zoals aantrekkelijke multimodale hubs, vormen MaaS en gedeelde mobiliteit een antwoord op de vraag naar versnelde verduurzaming, naar veilig en filevrij verkeer, en naar vergroening en optimale inzet van het openbaar domein.

Het zijn opwindende tijden, waarin maatschappelijke ontwikkelingen, mondige burgerinitiatieven die zelf meten en weten, nieuwe inzichten in ruimtelijke ordening, pijnpunten in ons huidig mobiliteitssysteem en marktdoorbraken in technologie zoals sensortechnologie en internet of things, big data en artificiële intelligentie samenkommen. Langzaam maar zeker belanden we in de perfecte storm.

Alle oplossingen zijn vorhanden om sterker dan ooit uit deze storm te komen. Een toekomstgericht mobiliteitssysteem kan zowel verduurzamen als een oplossing bieden voor de verwachte toename in het aantal verplaatsingen, en het biedt ook enorme mogelijkheden voor economische groei en groei in werkgelegenheid.

Wat nodig is, is publiek-private dialoog gebaseerd op een gemeenschappelijke visie over alle modi heen. Een dialoog die aanzet tot innovatie gebruikmakend van het hele beleidsinstrumentarium - gaande van infrastructuur tot ruimtelijke ordening tot fiscaliteit zoals het mobiliteitsbudget en rekeningrijden. En die aparte silo's in ons mobiliteitssysteem ook aanmoedigt tot samenwerking.

Daarbij dient ons mobiliteitssysteem gaandeweg te worden ge-re-reguleerd; de eerste stappen worden hierin gezet en zijn bemoedigend.

Het ITS congres biedt een unieke blik op het nieuwe ecosysteem voor mobiliteit en de bouwblokken in wording. We zijn blij dat u er bent, en nodigen u graag uit om er samen mee vorm aan te geven.

Peter Van der Perre  
Directeur ITS.be



# BIENVENUE!

## La tempête parfaite

Une multitude d'initiatives (souvent locales) et de solutions innovantes se disputent le marché de la mobilité: vélos, trottinettes et scooters partagés, nouvel accès aux transports en commun, autopartage, covoiturage, conavottage, électromobilité, services de navettes autonomes, « bus-bureaux », location à court terme, nouvelles formes de microtransit à la demande, micro-mobilité (trottinettes électriques, hoverboards, gyropodes, gyroroues), etc.

Le MaaS (Mobility as a Service) rassemble ces services et permet des déplacements de porte à porte optimisés et personnalisés. La mobilité combinée est ainsi aisément rendue possible par des plateformes et applications globales intégrant la planification, la réservation, la billetterie et le paiement en arrière-plan. Le potentiel est énorme.

Combinés à la transition impressionante vers des véhicules électriques, autonomes et coopératifs, et à des infrastructures innovantes tels que des hubs multimodaux, le MaaS et la mobilité partagée offrent une réponse à la demande pour une durabilité accélérée, une circulation sûre et sans embouteillages et une écologisation et une utilisation optimale du domaine public.

Nous assistons actuellement à un fascinant concours d'évolutions sociétales, d'initiatives citoyennes responsables autodéterminées, de nouvelles perspectives en matière d'aménagement du territoire, de dysfonctionnements dans notre système de mobilité existant et de percées commerciales dans le domaine technologique, telles que les capteurs, l'internet des objets, le big data et l'intelligence artificielle. Nous entrons, lentement mais sûrement, dans une tempête parfaite.

Nous disposons de toutes les solutions pour sortir de cette tempête plus forts que jamais. Un système de mobilité tourné vers l'avenir peut à la fois devenir plus durable et apporter une solution à la multiplication attendue des déplacements, tout en offrant d'énormes opportunités en termes de croissance économique et de création d'emplois.

Ce dont nous avons besoin, c'est d'un dialogue entre le privé et le public basé sur une vision commune de l'ensemble des modes de déplacement. Un dialogue qui incite à l'innovation utilisant les nombreux instruments politiques disponibles - de l'infrastructure à l'aménagement du territoire en passant par la fiscalité (comme le budget mobilité et la tarification à l'usage). Et qui encourage également la coopération entre les différents piliers de notre système de mobilité.

Ce qui est clair est que notre système de mobilité devra être progressivement re-régulé; les premiers pas sont faits et sont encourageants.

Le congrès ITS offre un regard unique sur le nouvel écosystème de mobilité et ses éléments constitutifs en devenir. Nous nous réjouissons que vous en fassiez partie et vous invitons à lui donner forme ensemble.

Peter Van der Perre  
Directeur ITS.be



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Rombaut	Kristof	Agentschap Wegen en Verkeer	Studieverantwoordelijke ITS
Rulmont	Pierre-André	STIB-MIVB	CIO
Ruyssen	Bérénice	Ville de Namur	Conseillère en Mobilité
Saegeman	Jeroen	Geosparc NV	Sales Business Developer
Samir	Wariach	SPW Mobilité et Infrastructures	Project leader
Sanchez	Margot	Beta.gouv.fr	Cheffe de produit
Santens	Seppe	Mobiliteitsbedrijf Gent	Project manager
Savi	Guido	FEBIAC	Public Affairs
Schoenmaekers	David	FOD Mobiliteit & Vervoer	ITS verantwoordelijke
Schoonjans	Gregory	parking.brussels	IT
Seghers	Hugo	Lab Box	B2B & partnership manager
Seghers	Robert	Alstom	Business development director
Sempels	Eric	Departement MOW	Coördinator duurzaam personenvervoer
Sevenhans	Daniel	Stad Antwerpen	Adjunct coordinator verkeerdienst
Seynnaeve	Thomas	NMBS	Knowledge Management
Sluismans	Sam	Deloitte	Partner
Smagghe	Danny	Touring	Corporate Spokesperson
Smet	Kristof	AWV - Verkeerscentrum	Teamhoofd ITS
Snoeys	Koen	VAB	B2B Manager
Soens	Steven	Febiac	Advisor Trucks
Sommereyns	Sara	Trafiroad	Project manager ANPR
Sorgeloos	Tom	ORANGE	Senior Business Development Manager
Spelmans	Brent	Arcadis Belgium	Project- en Tendermanager
Spincemaille	Hans	OPC	CDO
Spitaels	Sylvester	Circ	Strategic Partnership Manager
Steen	Micheline	VVM De Lijn	Vervoersregiomanager
Steenackers	Astrid	Open Knowledge Belgium	Event And Community Coordinator
Steukers	Bart	Agoria	Director
Steurs	Ingrid	Europcar Mobility group	Key account manager
Stock	Simon	Parko	Expl verantwoordelijke
Storme	Tom	HoGent	Coördinator BUSaanZET
Strackx	Nick	BAM nv	Mobiliteitsmedewerker
Suy	Bart	Localyse	Managing partner
Tacheron	Pierre	Transitec Ingénieurs-Conseils	Directeur Transitec Belgique
Tackoen	Xavier	Espaces-Mobilités	Directeur
Talpe	Nicolas	Be-Mobile	BU Director Mobility Payments

# LIST OF PARTICIPANTS

Last Name	First Name	Company	Job Title
Tambuyzer	Han	Nazka mapps	Managing partner
Theyskens	Paul	De Lijn	Ecosystem developer
Thibau	Dirk	Brussel Mobiliteit	Eerste ingenieur
Thienpont	Astrid	InTouch	Chief Growth Officer
Thoelen	Mark	Departement MOW	Voorzitter vervoerregio Leuven
Thomas	Yves	GIM	Relationship Manager
Thys	Marianne	Brussels Mobility	Transport Operators Coordinator
Timmermans	Jean-Marc	Agoria	Business group leader
Tournay	Anthony	Europcar Mobility Group	Account Manager
Traen	Vincent	Keolis Belgium	Business Development Manager
Trenchant	Matthieu	Engie Fabricom	Department manager
Tuong Ma	Manh	Bruxelles Mobilité	Ingénieur
Urbani	Paolo	Satellic	Business Manager
Usé	Geoffrey	GRACQ	President
Vaganée	Guido	VVSG	Coördinator Vervoerregiowerking
van Aarden	Melissa	Emixis	Marketing coordinator
Van Asbroeck	Anne-Marie	IMEC	Project manager
Van Bastelaere	Pieter	TRAXIO	Directeur TRAXIO Vlaanderen, hoofd Public Affairs
Van Boggelen	Otto	CROW	Program manager
Van Daele	Laurens	ARCADIS Belgium	Project Engineer
Van Dam	Hans	MAES Energy & Mobility	Business Development
Van de Cloot	Koen	BMC	Technical manager
Van De Putte	Koen	Olympus Mobility	Managing director
van de Schouw	Guus	European Commission	Policy Officer
Van den Abeele	Fiene	Stad Antwerpen	
van den Berg	Simon	Allianz Partners	Product Manager Automotive
van den Bogaert	Etienne	Icoms Detections	Managing director
Van den Heuvel	Gerrit	Dynniq	Manager operations
van der Horst	Diego	XYZ Dynamics	CO
van der Lande	Bernard	Worldline	Head of Business Development
Van der Perre	Peter	ITS.be	Director
Van der Stichelen	Els	SD Worx	Benefits & Mobility Officer
van der Veen	Peter	Waze	Community manager
Van Der Veken	Jimmy	Proximus	Service architect
van der Weel	Kevin	Bird	Operations associate Benelux
Van Deun	Davy	Stad Antwerpen	Projectleider
van Dijk	Marijn	Dynniq NL	Sr business development executive
Van Doorselaer	Bart	TomTom	Director customer program management
Van Dormael	Constance	STIB	Corporate Reporting Officer
Van Dorslaer	Bart	Engie Fabricom	Senior project manager
Van Driessche	Nils	Be-Mobile	Sales manager
Van Eldere	Hendrik	Deloitte	Strategy business analyst
Van Grimberge	Mieke	Flemish Traffic Center	Traffic Advisor
van Haaften	Wouter	AGES	Representative Benelux
Van Herzeele	Stanny	Agentschap Wegen en Verkeer	Directeur ingenieur wegeninfrastructuur

# LIST OF PARTICIPANTS

Last Name	First Name	Company	Job Title
Van Heuckelom	Lennart	Localyse	Location consultant
van Hoften	Ryanne	NMBS	Knowledge Management
Van Landeghem	Kurt	Circ	CEO
Van Langendonck	Johan	Bridgestone	Head of solutions strategy
Van Lindt	Jan	BDO	BDO Advisory
Van Molle	Bert	Olympus Mobility	Account manager
Van Moorhem	Nico	ALD Automotive	Marketing manager
Van Noten	Stevan	Deloitte	Senior consultant
van Oorschot	Peter	PARKIUS	International Sales Director
Van Oostenryck	Marc	Proximus	Service architect
Van Overloop	Julie	Deloitte	Business analyst
Van Parys	Henk	Partena	Legal Research & Development Manager
Van Pevenage	Michel	Rauwers Controle	General Manager
Van Rij	Richard	Sofico	Business development
Van Winckel	Hans	Be-Mobile	Director strategy
Vanacker	Didier	Siemens	Key account manager
Vanacker	Lukas	De Tijd	Journalist
Vanbeveren	Geert	Siemens Mobility GmbH	Sales Director
Vancamp	Frank	KPMG	Vennoot
Vande Ryse	Steven	Be-Mobile	Backend Developer
Vandekerckhove	Koen	Mobiris	Ingenieur-directeur
Vandenbergh	Wim	Ministerie IenW	Sr advisor smart mobility
Vandenbergh	Hans	Bosch	Business Development
Vandenbossche	Joost	Be-Mobile	Traffic Engineer
Vandenbroucke	Gerdy	Proximus	Lead manager
Vandendries	Stephanie	FOD Mobiliteit & Vervoer	Attaché
Vandenhoeck	Dimitri	Europcar Mobility Group	Key account manager
Vander Elst	Christophe	Infrabel	Strategic analyst
Vander Vennet	Pieter	ANYWAYS	Developer
Vanderhoeven	Jan	Lime	Senior Government Relations Manager Benelux
Vandeurzen	Ann	City of Mechelen	Project coordinator
Vandewauwer	Philippe	STIB/MIVB	Corporate studies & projects manager
Vandeweyer	Stijn	Deloitte	Director
Vandewinckele	JP	Parko	dir.
Vandichel	Julien	Share now	Sales & business development
Vangeel	Philippe	AVERE Belgium	Secretary general
Vanherle	Kris	Transport & Mobility Leuven	Researcher
Vanhoeymissen	Yanick	AWV	Studieverantwoordelijke ITS
Vanhomwegen	Dominique	Europcar Mobility GGroup	Marketing & Communication Manager
Vanhoutte	Alain	BIPT	security engineer
Vanhufflen	juan	le TEC	Head of Operational Marketing
Vanoerbeek	Christophe	Brussels Mobility	Director-general
Vansteenland	Koen	Stad Brugge	Deskundige mobiliteit
Vantomme	Joost	ACEA	Smart mobility director
Vanwesemael	Marc	S-Lim	Product manager

# LIST OF PARTICIPANTS

Last Name	First Name	Company	Job Title
Vanwijn	Sales	MAES Energy & Mobility	Business Development
Varol	Tolga	DriveTrust	CTO & founder
Velthuijsen	Fokke Wim	FlixBus B.V.	Business Development
Venselaar	Maarten	The New Drive	Project manager
Verbois	Peter	Lantis/BAM	Project Manager VTTI
Verbraeken	Agnes	AWV	Projectengineer
Verbrugge	Elisabeth	Satellic	CEO
Verbruggen	Jan	Cenenergy	Managing Partner
Verbruggen	Pieter-Jan	Deloitte	Manager
Verhaagen	Guus	EY	Consultant
Verhelst	Tim	Trafiroad	Project manager
Verhiest	Jens	Skipr	Business Development & Partnerships
Verhoeven	Denis	Phoenix Contact	Manager Infrastructure
Verlé	Pieter	Agentschap Wegen en Verkeer	Project Engineer
Verleyen	David	Infrasoft	Project manager
Vermassen	Erwin	Ertico	Project manager
Vernaillen	Stijn	Stad Antwerpen	MaaS expert
Verrept	Tom	Mobly	Chief business development
Versmissen	Rob	MACQ	Account manager
Verwimp	Anne	Agentschap wegen en verkeer	Projectingenieur
Vetters	Mireille	Proximus	Head of corporate sales
Veys	Carl	GDA	Spokesman
Viaene	Pepijn	Geosparc	Geo-ICT & data analyse   Customer support
Vierendeel	Anne	Icoms Detections	Sales & Logistics Assistant
Vijverman	Jean-Pierre	AWV - Verkeerscentrum	Afdelingshoofd
Villé	Bruno	MINT nv	Gedelegeerd bestuurder
Vincent	Thomas	Siemens mobility	Verkeerskundige
Vlassenroot	Sven	Tractebel	Project manager smart mobility
Volckaert	Bart	TomTom	Program Manager
Volckaert	An	OCW	Onderzoeker
Walker	Aled	Deloitte	Director
Walle	Fabien	Bruxelles Mobilité	Ingénieur
Walravens	Jean	Agentschap Wegen en Verkeer	Studieverantwoordelijke ITS
Westerdijk	Laurens	XYZ Dynamics	Operational director
Weyns	Guy	De Lijn	Directeur Marketing & Mobiliteit
Wiliquet	Emilie	Europ Assistance Belgium	Resources, support & network manager
Willaert	Laurent	Febiac	Directeur public affairs
Willaerts	Walter	Rauwers Controle	Business Unit Manager
Willems	Benoît	Service Fédéral des Pensions	Mobility Coordinator
Wouter	Stevens	Tein Technology	Key Account Manager
Wouters	Jean-Paul	CCRB/RNBB	Président
Xhonneux	Michael	Europcar Mobility Group	Sales, Marketing & RCM Director
Yperman	Isaak	Be-Mobile	Manager Traffic Lab

# PROGRAMMA

9.00-9.30	KOFFIE & WELKOM (Lobby)	
9.30-10.30	KEYNOTE SPEECHES (Einstein)	
<p>Moderator: Werner De Dobbeleer, Woordvoerder VSV</p> <p><b>Het einde van het individuele autobezit?</b> - Nick Hilhorst, Head of Benelux policy, Uber</p> <p><b>Euthanasie van de salariswagen</b> - Miel Horsten, voorzitter RENTA &amp; CEO ALD BeNeLux</p> <p><b>Beleid en nieuwe regelgeving in een tijd van gedeelde en autonome mobiliteit</b> - Filip Boelaert, secretaris-generaal, Departement Mobiliteit en Openbare Werken</p> <p><b>Duurzame mobiliteitsplanning voor het Brussels Gewest</b> - Christophe Vanoerbeek, Directeur-generaal Brussel Mobiliteit</p>		
10.30-11.00	KOFFIEPAUZE (Lobby)	
11.00-12.00	WORKSHOP 1: PARKEREN & STEDELIJKE MOBILITEIT (Edison)	WORKSHOP 2: POLITIE- & HULPDIENSTEN (Marconi)
<p><b>Moderator: Seppe Santens</b>, stad Gent</p> <p><b>Van parkeren tot mobiliteitsmanagement in Leuven</b> Sven Maerivoet, senior researcher, Transport &amp; Mobility Leuven (EN)</p> <p><b>Parkeerhandhaving, een innovatief instrument voor mobiliteit</b> Vincent Rawart, digital consultant Sigmax (FR)</p> <p><b>Inzichten in het Kortrijks parkeerbeleid</b> Kris De Pril, CEO Geosparc &amp; Jean-Paul Vandewinckele, directeur Parkeerbedrijf Kortrijk (NL)</p> <p><b>Een digitale identiteit binnen parkeren</b> Kris De Ryck, CEO Belgian Mobile ID ITSME (EN)</p> <p><b>Moderatoren: Injaas De Mul</b>, Macq &amp; <b>Bob De Decker</b>, Federale politie</p> <p><b>Lokale overheden die samenwerken met ANPR-data - van noden naar tools</b> Pieter Dresselaers, project manager mobiliteit, Igemo (NL)</p> <p><b>Het certificeren van carpooling om incentiveren mogelijk te maken</b> Margot Sanchez, product manager, Beta.gouv.fr (FR)</p> <p><b>Handhaving van carpoolbanen door middel van beeldherkenning</b> Alain Dagonnier, accountmanager, Macq (FR)</p> <p><b>Antwerp City Observer - een open architectuur voor handhaving en diensten</b> Robert De Beukelaer, Mobiliteitscoördinator, ICT &amp; innovatie stad Antwerpen (NL)</p>		
WORKSHOP 3: COLLECTIEF VERVOER (Darwin)		WORKSHOP 4: CONNECTED & C-ITS (Archimedes)
<p><b>Moderator: Pierre-Paul Bertiaux</b>, New Mobility Consulting</p> <p><b>Volgende stappen voor collectief vervoer</b> Arthur Kamminga, business consultant Flixbus (EN)</p> <p><b>Richting een open-source multimodale routeplanner</b> Renaud Therry, responsable digital TEC (FR)</p> <p><b>Autobus- en autocarbedrijven binnen MaaS</b> dr. Tom Storme, coördinator BUSaanZET HoGent (NL)</p> <p><b>Ambitieuze mobiliteitsknooppunten: Luxemburg stad</b> Christian Mousel, Deputy General Manager Verkéiersverbond &amp; Guy Besch, Overheidsadviseur Luxemburg (FR)</p> <p><b>Moderatoren: Joost Vantomme</b>, ACEA &amp; <b>Steven Logghe</b>, Be-Mobile</p> <p><b>Resultaten van het Nederlandse C-ITS-programma &amp; vooruitzichten</b> Caspar de Jonge, programmamanager ITS ministerie van infrastructuur en waterstaat &amp; Peter Broekroelofs, CDO Dynniq (NL)</p> <p><b>Van geconnecteerde wagens naar C-ITS (en terug): eerste succesvolle use cases</b> Hans Van Winckel, Director strategy, Be-mobile (EN)</p> <p><b>Mobilidata: een update</b> Erika Decorte, Project manager AWV (NL)</p> <p><b>Geconnecteerde voertuiginfrastructuur: C-roads Wallonië</b> Nicolas Leroy, project manager SPW &amp; Jean-Pierre Deknop, business development manager, Siemens Mobility (FR)</p>		
12.00-14.00	LUNCH BREAK (LOBBY)	

# PROGRAMMA

<b>12.45-13.30</b>	<b>DEBAT: OPENBAAR Vervoer IN HET HART VAN MaaS (Einstein)</b>				
OF	<b>KNOWLEDGE SHARING SESSION: NAAR GEMEENSCHAPPELIJKE API'S VOOR MaaS (Edison)</b> 	OF	<b>KNOWLEDGE SHARING SESSION: MARKTPLAATSEN VOOR MOBILITEIT (Marconi)</b> 		
<b>13.30-14.00</b>	<b>MaaS MEET &amp; GREET (Einstein)</b>				
<b>14.00-15.00</b>	<b>WORKSHOP 5: VERKEERSINFORMATIE &amp; MANAGEMENT (Edison)</b>	<b>WORKSHOP 6: AUTONoom &amp; ELEKTRISCH (Marconi)</b>			
<p>Moderatoren: <b>Koen Vandekerckhove</b>, Brussel Mobiliteit &amp; <b>Sven Maerivoet</b>, TML</p> <p><b>Telaarm - Verkeerstelleringen door burgers</b> Kris Vanherle, Onderzoeker Transport &amp; Mobility Leuven (NL)</p> <p><b>Beacons in Vlaamse tunnels om GPS-signal te versterken</b> Peter van der Veen, community coordinator, Waze Benelux (NL)</p> <p><b>Dashboards voor steden: TMaaS &amp; ManyWays</b> Suzanne Hendrikse, communicatie manager stad Gent &amp; David Chambaere, project manager Waylay (EN)</p> <p><b>Socrates 2.0: interactief verkeersbeheer</b> Patrick Deknudt, adviseur Vlaams verkeerscentrum (NL)</p>			<p>Moderatoren: <b>Jean-Marc Timmermans</b>, Agoria &amp; <b>Jochen De Smet</b>, AVERE</p> <p><b>Ervaringen van de MIVB met autonome shuttles</b> Philippe Vandewauwer, Corporate studies en project manager MIVB (FR)</p> <p><b>Autonome shuttles in België</b> Dario Deserranno, manager USH (EN)</p> <p><b>Aanbod oplaadpunten - een overzicht</b> Philippe Vangeel, secretaris-generaal AVERE België (EN)</p> <p><b>Ondersteuning van de elektrische mobiliteitsrevolutie: technologieën om de bezorgdheid over het bereik aan te pakken</b> Julija Babre, product marketing manager, TomTom (EN)</p>		
<b>WORKSHOP 7: FIETSBELEID (Darwin)</b>		<b>WORKSHOP 8: GEDEELDE MOBILITEIT &amp; MaaS (Archimedes)</b>			
<p>Moderatoren: <b>Geoffrey Usé</b>, GRACQ &amp; <b>Sven Vlassenroot</b>, Tractebel</p> <p><b>Dashboard deelfietsen</b> Otto Van Boggelen, programma manager CROW (NL)</p> <p><b>Elektrisch fietsdelen in Brussel</b> Nick Hilhorst, head Benelux policy Uber (EN)</p> <p><b>Een kader creëren voor fietsen in smart &amp; connected mobility</b> Kevin Mayne, Chief Executive Cycling Industries Europe (EN)</p> <p><b>Velopark: platform fietsparkeren</b> Wout Baert, coördinator Fietsberaad Vlaanderen (NL)</p>		<p>Moderator: <b>Maarten Venselaar</b>, The New Drive</p> <p><b>Naar een gemeenschappelijk licentiemodel voor gedeelde mobiliteit</b> Stijn Vernaillen, MaaS expert stad Antwerpen (EN)</p> <p><b>Mobiliteitsprofielen: Hoe kan een gelijk speelveld worden gecreëerd voor de toegang tot mobiliteitsintenties?</b> Paul Theyskens, ecosysteem ontwikkelaar De Lijn &amp; Pieter Colpaert, postdoc onderzoeker IMEC (EN)</p> <p><b>MaaS binnen alle Belgische beleidsniveaus</b> Stijn Vandeweyer, directeur Deloitte (EN)</p> <p><b>MaaS: lessen uit Nederland</b> Eric Mink - programmamanager MaaS, Ministerie van Infrastructuur en Waterstaat (NL)</p>			
<b>15.00-16.15</b>	<b>GOING FORWARD DEBAT &amp; CONCLUSIES (Einstein)</b>				
Debate: <b>Bringing things together</b>					
<b>16.15</b>	<b>NETWORKING DRINK</b>				

# PROGRAMME

<b>9.00-9.30</b>	<b>CAFE &amp; ACCUEIL (Lobby)</b>
<b>9.30-10.30</b>	<b>DISCOURS D'OUVERTURE (Einstein)</b>
<p>Modérateur: Werner De Dobbeleer, Porte-parole VSV</p> <p><b>La fin de la possession d'une voiture individuelle?</b> - Nick Hilhorst, Responsable de la politique Benelux, Uber</p> <p><b>Euthanasie des voitures de société</b> - Miel Horsten, président de RENTA &amp; PDG ALD BeNeLux</p> <p><b>Politiques et nouvelles réglementations dans un contexte de mobilité partagée et autonome</b> - Filip Boelaert, Secrétaire général, Département flamand de la mobilité et des travaux publics</p> <p><b>Planification de la mobilité durable pour la Région de Bruxelles-Capitale</b> - Christophe Vanoerbeek, Directeur général de Bruxelles Mobilité</p>	
<b>10.30-11.00</b>	<b>PAUSE CAFE (Lobby)</b>
<b>11.00-12.00</b>	<b>WORKSHOP 1: STATIONNEMENT &amp; MOBILITÉ URBAINE (Edison)</b>
<p>Modérateur: Seppe Santens, ville de Gand</p> <p><b>Du parking à la gestion de la mobilité à Louvain</b> Sven Maerivoet, chercheur senior, Transport &amp; Mobility Leuven (EN)</p> <p><b>Le contrôle du stationnement, un outil innovant pour la mobilité</b> Vincent Rawart, digital consultant Sigmax (FR)</p> <p><b>Un aperçu de la politique de stationnement de Courtrai</b> Kris De Pril, PDG Geosparc &amp; Jean-Paul Vandewinkel, directeur Parkeerbedrijf Kortrijk (NL)</p> <p><b>Une identité numérique dans le stationnement</b> Kris De Ryck, CEO Belgian Mobile ID ITSME (EN)</p>	
<p>Modérateurs: Injaas De Mul, Macq &amp; Bob De Decker, Police Fédérale</p> <p><b>Les autorités locales travaillant avec les données de l'ANPR - des besoins aux outils</b> Pieter Dresselaers, chef de projet mobilité, Igemo (NL)</p> <p><b>Certifier les trajets de covoiturage pour permettre la distribution d'incitations</b> Margot Sanchez, Cheffe de produit, Beta.gouv.fr (FR)</p> <p><b>Application des voies de covoiturage par reconnaissance d'image</b> Alain Dagonnier, account manager, Macq (FR)</p> <p><b>Antwerp City Observer - une architecture ouverte pour l'application de la loi et les services</b> Robert De Beukelaer, coordinateur mobilité, ICT &amp; innovation ville d'Anvers (NL)</p>	
<b>WORKSHOP 3: TRANSPORT EN COMMUN (Darwin)</b>	<b>WORKSHOP 4: CONNECTÉ ET C-ITS (Archimedes)</b>
<p>Modérateur: Pierre-Paul Bertiaux, New Mobility Consulting</p> <p><b>L'avenir des transport en commun</b> Arthur Kamminga, consultant en affaires chez Flixbus (EN)</p> <p><b>Vers un planificateur d'itinéraire multimodal open-source</b> Renaud Therry, responsable digital TEC (FR)</p> <p><b>Les compagnies d'autobus et d'autocars au sein de MaaS</b> dr. Tom Storme, coordinateur BUSaanZET HoGent (NL)</p> <p><b>Des pôles de mobilité ambitieux : ville de Luxembourg</b> Christian Mousel, Deputy General Manager Verkéiersverbond &amp; Guy Besch, Conseiller de Gouvernement Luxembourgeois (FR)</p>	
<p>Modérateurs: Joost Vantomme, ACEA &amp; Steven Loghe, Be-Mobile</p> <p><b>Résultats du programme néerlandais C-ITS et perspectives d'avenir</b> Caspar de Jonge, Directeur de programme ITS, ministerie van infrastructuur en waterstaat &amp; Peter Broekroelofs, CDO Dynniq (NL)</p> <p><b>De la voiture connectée à C-ITS (et retour): premiers cas d'utilisation réussie</b> Hans Van Winckel, Director strategy, Be-mobile (EN)</p> <p><b>Mobilidata : une mise à jour</b> Erika Decorte, Project manager AWV (NL)</p> <p><b>Infrastructures automobiles connectées: C-Roads Wallonie</b> Nicolas Leroy, chef de projet SPW &amp; Jean-Pierre Deknop, business development manager, Siemens Mobility (FR)</p>	
<b>12.00-14.00</b>	<b>DEJEUNER (LOBBY)</b>

# PROGRAMME

12.45-13.30	<b>DÉBAT: LES TRANSPORTS PUBLICS AU CŒUR DE MaaS (Einstein)</b>				
OU	<b>SÉANCE DE PARTAGE DES CONNAISSANCES: VERS DES API'S COMMUNES POUR MaaS (Edison)</b>	 ERTICO ITS EUROPE	OU	<b>SÉANCE DE PARTAGE DES CONNAISSANCES: MARCHÉS DE LA MOBILITÉ (Marconi)</b>	 Deloitte.
13.30-14.00	<b>MaaS MEET &amp; GREET (Einstein)</b>				
14.00-15.00	<b>WORKSHOP 5: GESTION DU TRAFIC ET INFORMATION ROUTIERE (Edison)</b>	<b>WORKSHOP 6: AUTONOME ET ELECTROMOBILITE (Marconi)</b>			
<p>Modérateurs: Koen Vandekerckhove, Bruxelles Mobilité &amp; Sven Maerivoet, TML</p> <p><b>Telraam: Telraam - Comptage du trafic par les citoyens</b> Kris Vanherle, Chercheur Transport &amp; Mobility Leuven (NL)</p> <p><b>Beacons dans les tunnels flamands pour intensifier le signal GPS</b> Peter van der Veen, coordonnateur communautaire, Waze Benelux (NL)</p> <p><b>Tableaux de bord pour les villes: TMaaS &amp; ManyWays</b> Suzanne Hendrikse, responsable communication ville de Gand &amp; David Chamaere, chef de projet Waylay (EN)</p> <p><b>Socrates 2.0: gestion interactive du trafic</b> Patrick Deknudt, conseiller centre de trafic Flamand (NL)</p>			<p>Modérateurs: Jean-Marc Timmermans, Agoria &amp; Jochen De Smet, AVERE</p> <p><b>Expériences de la STIB avec des navettes autonomes</b> Philippe Vandewauwer, Responsable des études d'entreprise et des projets STIB (FR)</p> <p><b>Navettes autonomes en Belgique</b> Dario Deserranno, Gestionnaire USH (EN)</p> <p><b>Offre de bornes de recharge - vue d'ensemble</b> Philippe Vangeel, secrétaire général AVERE Belgique (EN)</p> <p><b>Soutenir la révolution de la mobilité électrique : les technologies pour faire face à l'anxiété de l'autonomie</b> Julija Babre, product marketing manager, TomTom (EN)</p>		
<b>WORKSHOP 7: POLITIQUE RELATIVE AUX VELOS (Darwin)</b>		<b>WORKSHOP 8: MOBILITE PARTAGEEE ET MaaS (Archimedes)</b>			
<p>Modérateurs: Geoffrey Usé, GRACQ &amp; Sven Vlassenroot, Tractebel</p> <p><b>Dashboard partageant des vélos</b> Otto Van Boggelen, gestionnaire de programme chez CROW (NL)</p> <p><b>Des vélos électriques partagés à Bruxelles</b> Nick Hilhorst, Responsable de la politique Benelux, Uber (EN)</p> <p><b>Créer un cadre pour le cyclisme dans la mobilité intelligente et connectée</b> Kevin Mayne, Directeur Général Cycling Industries Europe (EN)</p> <p><b>Velopark: plate-forme de stationnement pour vélos</b> Wout Baert, coordinateur Fietsberaad Vlaanderen (NL)</p>		<p>Modérateur: Maarten Venselaar, The New Drive</p> <p><b>Vers un modèle de licence commun pour la mobilité partagée</b> Stijn Vernailien, expert MaaS Ville d'Anvers (EN)</p> <p><b>Profils de mobilité : Comment créer des conditions de concurrence équitables pour l'accès aux intentions de mobilité?</b> Paul Theyskens, développeur d'écosystème De Lijn &amp; Pieter Colpaert, postdoc chercheur IMEC (EN)</p> <p><b>MaaS à tous les niveaux de la politique belge</b> Stijn Vandeweyer, directeur Deloitte (EN)</p> <p><b>MaaS : leçons apprises aux Pays-Bas</b> Eric Mink - gestionnaire de programme MaaS, Ministerie van Infrastructuur en Waterstaat (NL)</p>			
15.00-16.15	<b>DÉBAT CEO &amp; CONCLUSIONS (Einstein)</b>				
Debate: Bringing things together					
16.15	<b>DRINK</b>				

# KNOWLEDGE SHARING SESSIONS

During lunchtime you will have the opportunity to enrich your knowledge in one of the knowledge sharing sessions. Domain experts will guide you through the latest developments in both areas. If you are interested, please go to the designated rooms (Marconi or Edison).

Both sessions will take place **from 12h45 until 13h30**.

## Marketplaces for mobility innovation (room Marconi)

Increasingly, market places offer public funding for private initiatives that achieve policy goals. How can governments enable and accelerate private initiatives to innovate and improve our mobility ecosystem? The session will present case studies, exploring their key learnings.

Hosted by Stijn Vandeweyer and Hendrik Van Eldere (Deloitte), with participation of the city of Antwerp.

# Deloitte.

## Towards common APIs for MaaS (room Edison)

What to expect from standardisation of MaaS interfaces in the near future?

Hosted by Erwin Vermassen of ERTICO - ITS Europe, with participation of the Dutch MaaS programme, supported by the Dutch MaaS programme, the European MaaS Alliance, IMEC, Informatie Vlaanderen...



# INFORMATIE VLAANDEREN

# FLOORPLAN

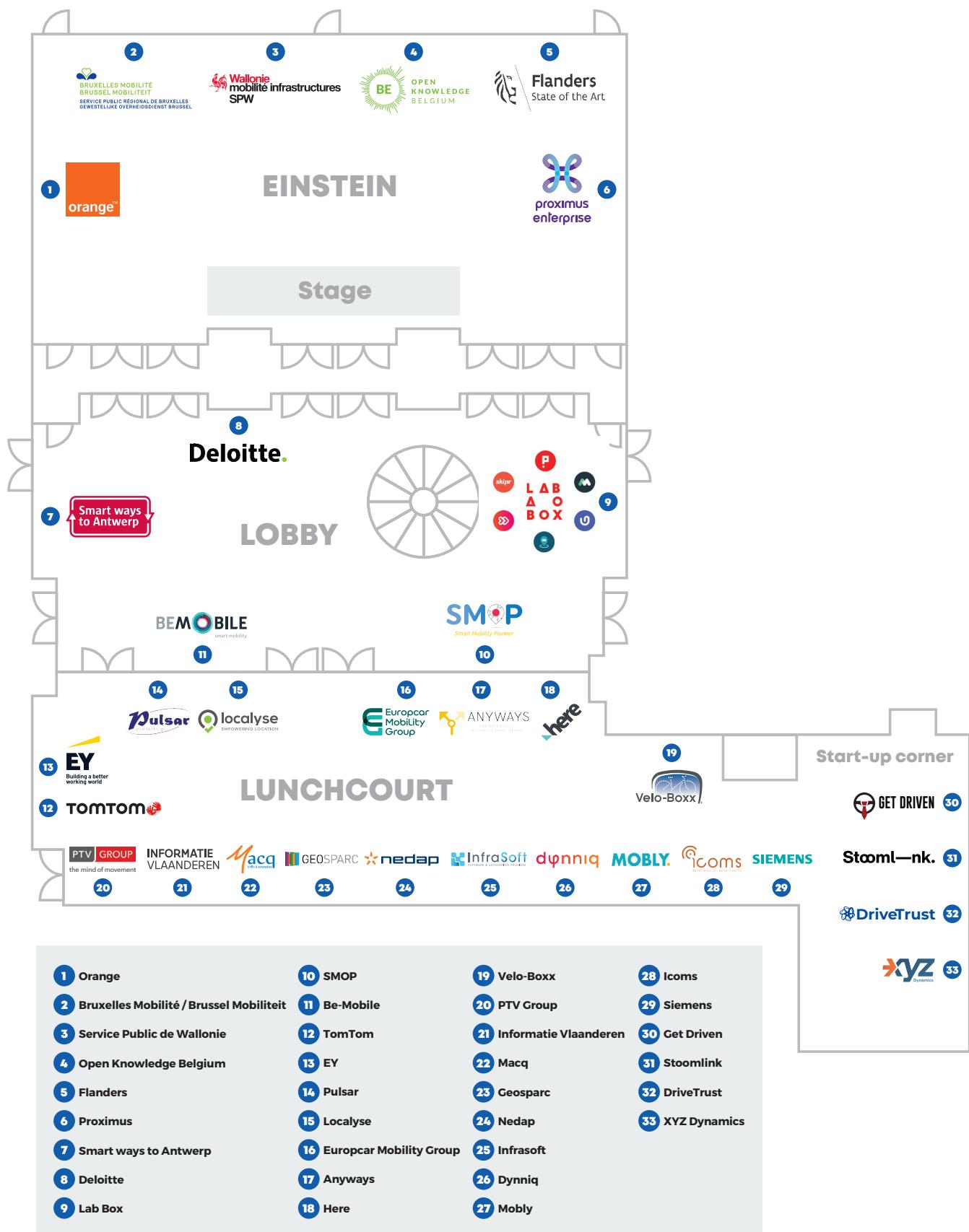
## Groundfloor



## Level -1



# FLOORPLAN WITH BOOTHS



# START-UP CORNER

**DriveTrust** is a startup which provides driving behaviour evaluation in real-time. DriveTrust's product looks and is installed like a normal dash cam. It has two cameras, one looking on the road and one inside the cockpit. The video which we get from the cameras is analyzed and processed in combination with the sensor data directly on the device. The results of the analysis are uploaded to our cloud dashboard over the mobile network where the company/user can further exploit the data.

Contact: [roman.prytkov@drivetrust.eu](mailto:roman.prytkov@drivetrust.eu)  
Website: [drivetrust.eu](http://drivetrust.eu)



**Get Driven** is an app where screened, selected and educated drivers, mostly students, drive your car. We are a B2B oriented company offering business people the chance to work while driving at an affordable price. Get Driven is a fully automated platform servicing today 2000 companies in Belgium and approximately 350 drivers are active each month. Next to business we offer solutions for alcohol, events and moving large fleets across the country. Get Driven is launching in at least 2 other countries in 2020.

Contact: [hello@getdriven.app](mailto:hello@getdriven.app)  
Website: [www.getdriven.be](http://www.getdriven.be)



**Stoomlink** provides reliable and actionable insight-driven solutions for the belgian mobility ecosystem. Our goal is to help companies succeed in reinventing their mobility by providing them with the right tools to understand, decide and implement the multimodal shift. Stoomlink is the union of VIAS, Stratec & nextmoov cutting-edge experience and savoir-faire in mobility & digital products development.

Contact: [ivan@stoomlink.com](mailto:ivan@stoomlink.com)  
Website: [www.stoomlink.com](http://www.stoomlink.com)

**Stoomlink.**

**XYZ Dynamics** is leading sustainable mobility with the development of the AxLectric. The AxLectric is a retrofit add-on electric powertrain for LCVs. It will guarantee full-electric driving in zero-emission zones, because of its intelligent EMS - GEO Fencing system. This makes it possible for fleet owners such as construction workers to keep performing their work with their existing vehicle. The AxLectric is connecting city and transport and helps governments reach their stated goals.

Contact: [alex.pap@xyzdynamics.nl](mailto:alex.pap@xyzdynamics.nl)  
Website: [xyzdynamics.nl](http://xyzdynamics.nl)



## Company description

Orange Belgium is one of the major telecommunication market actors in Belgium and in Luxembourg. The company offers its residential customers mobile prepaid and postpaid services, as well as a host of other innovative telecom services. As a convergent player, Orange also offers TV and Internet via the cable network in Belgium. On the corporate market, Orange provides mobile and fixed telephony as well as broadband internet. Positioned as an integrated communications operator, Orange proposes a wide portfolio of connectivity and mobility services, including offers that are built on big data and the Internet of Things (IoT). Orange is also a wholesale operator and provides its partners with access to its infrastructure and service capabilities. Orange Belgium is a subsidiary of the Orange Group. Orange Belgium is listed on the Brussels Stock Exchange.



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## Internet of things

For some time, people have been talking about the concept of the "Internet of things", but with around fifty billion devices set to be online by 2020, this phenomenon is becoming increasingly relevant. The added value of IoT for organizations lie in the optimal utilization of the data generated by connected devices. Which will increase efficiency, productivity, customer service and quality of the services and solutions they provide. Resulting in cost reductions and new income generation.

Orange provides solutions & services to help organizations:

- Collect data via connected devices.
- Transport this data in a secure way via the right cellular network (2G/3G, 4G, NB-IoT, LTE-M).
- Store, process, analyze and share this data.

Orange also offers IoT End-to-end solutions that provide an answer to specific organizational challenges. These solutions comprehend the correct IoT device, connectivity, data management and end-user interfaces. For example Smart Parking. To keep your IoT business running, Orange has a team of experienced IoT specialists that provide expert guidance and personalized support. And that since 2002!

**Product website:** [business.orange.be/en/business-solutions/internet-things](http://business.orange.be/en/business-solutions/internet-things)

**References:** Transics / NMBS-SNCB / Flemish Government

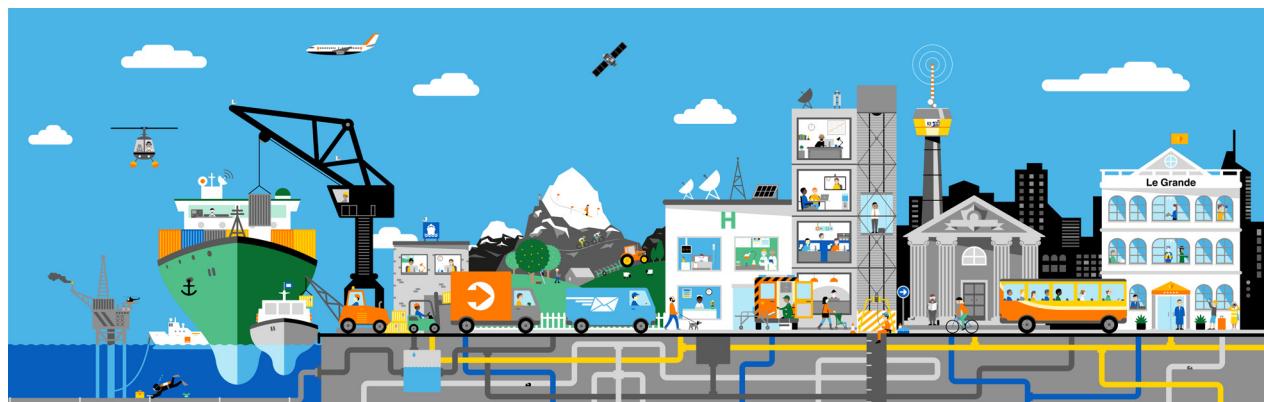
## Big Data Analytics to improve mobility

From ordering food to personalization: without data processes, the digital transformation would not be possible. By 2021, the market for 'big data' will therefore be worth 66.8 billion euros. Data from mobile networks can now also be used to better understand consumers.

Although there are many sources of data - by 2021 there will be more mobile phones worldwide than people with access to drinking water and many more connected devices than people 'tout court' - many of them will remain unused, either due to privacy legislation or due to a lack of resources to process the information. However, many consumers want a personalized experience, which makes it necessary for companies to gain insight into the behavior and preferences of their customers. Orange offers solutions to analyse movement flows in a certain area. With these insights organizations can improve mobility infrastructure and measure population and visitor flows.

**Product website:** [www.youtube.com/watch?v=YCCTXgOalkM](http://www.youtube.com/watch?v=YCCTXgOalkM)

**References:** City of Antwerp / The Walloon Service for Public Roads / Namur / IWEPS



## Company description

Proximus is a leading provider of telephone, internet and network based ICT services in Belgium. Our advanced, interconnected fixed and mobile networks offer - always and everywhere - access to digital services and data, and to a wide of multimedia content. We invest in future proof networks and innovative solutions in order to set the foundations for digital transformation and sustainable growth. Proximus delivers a full offer of telecom and ICT services for consumers, businesses and government institutions.

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[jef.philips@proximus.com](mailto:jef.philips@proximus.com)  
[www.proximus.be/companies](http://www.proximus.be/companies)

## Smart City / Smart Buildings

Thanks to intelligent technologies, Smart Buildings give you to opportunity to create a Smart City while:

- welcome and guide visitors in a best-in-class way
- provide a good working environment stimulating collaboration & creativity
- manage the building efficiently and maximize ROI per m<sup>2</sup>
- safeguard the building, its people and infrastructure.

**References:** AXA, BESIX

## Crowd & visitor analytics

Proximus MyAnalytics helps companies, governments and organisations to understand people flows, movements & attendance so they may attract more business & improve their service delivery.

- Visitor & Event Analytics: collect aggregated information on any type of visitor to an area, whether they be event attendees, shoppers or tourists
- Journey Analytics: Collect additional information on trajectories of people in, through or around your area of interest
- Mobility Analytics: Understand traffic flows by using the power of connected vehicles for monitoring traffic 24/7
- Crowd Management: Collect aggregated real-time information on national and international crowds within any area of Belgium.
- Spendings Analytics: collect aggregated information on the visitors' spendings of an area in order to evaluate the economic impact of your events, tourism actions or commercial zones.

**References:** Ronde van Vlaanderen, Knokke-Heist; BME (Brussels Major Event)

## ANPR

With ANPR (Automatic Number Plate Recognition) and additional ML (Machine Learning) solutions we offer mobility and security insights towards federal and local police zones, CiC's and the state security department.

Several thousand sensors and camera's integrated into one platform across different networks delivers real time security and mobility information.

The combination of physical security, IoT and cybersecurity solutions results in Intelligence Led Policing and smart mobility.

**References:** Agentschap Wegen en Verkeer, Federal Police, 60+ local Police zones, all Belgian airports, ports...

## Road Charging

Electronic tolling platform is the basis for distance based tolling enabling Toll Service providers to operate with the European standard Smart GNSS tolling for Kilometer or distance based tolling; Time dependent tolling; Accurate toll invoicing; Complex toll maps based on toll roads or toll zones.

**References:** Satellic, Toll4Europe

## Company description

Be-Mobile goes full speed ahead to revolutionize traffic: we aim to put travelers (by car and public transport), infrastructure operators (road, public transport, parking) and private companies (logistics, field services, large enterprises) back in control of their mobility.

Through our **Connected Car & Traffic Platform**, we collect Floating Car Data from millions of connected vehicles in Europe and turn them into valuable traffic information. This forms the foundation of our solutions portfolio, including traffic management, traveler information, multimodal route planning, transportation & logistics management, electronic toll collection and many more.

It is our mission to evolve towards a world with a minimum of traffic jams, accidents and emissions. A world where total impact-driven traffic management unites every stakeholder in the mobility chain and matches the demand for mobility with the available capacity.

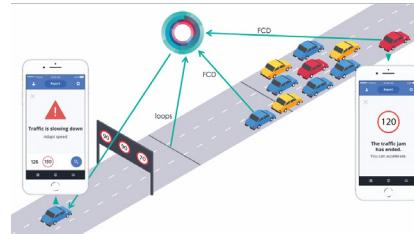
## Connected Car & Traffic Platform

At the foundation of Be-Mobile lies our Connected Car & Traffic Platform. It collects, aggregates and fuses mobility data throughout the European continent, e.g. Floating Car Data and data from sensors, incidents, public transport, parking operators, policies, etc. This data set detects the traffic flow throughout the road network in real time. Our patented data fusion capabilities make our traffic and mobility information more sophisticated.

The fused and aggregated data set forms an unprecedented knowledge database of rich mobility information, disclosed to the public via our core data services and APIs such as real-time, historical and predictive flow & incident traffic information, travel times, time-distance diagrams, intermodal route planning, taxable road networks, digital maps, speed restrictions, etc.

Leveraging synergies with C-ITS, our platform enables drivers to receive personalized traffic information in car and to anticipate traffic conditions beyond the windshield. This is a revolutionary opportunity to optimize travel times for drivers, improve safety on the road network and make it possible for road authorities to directly reach the road users.

**Product website:** [www.be-mobile.com/mobility-solutions/mobility-monitoring-analysis](http://www.be-mobile.com/mobility-solutions/mobility-monitoring-analysis)  
**References:** Smart Region Limburg, VRT, Rijkswaterstaat, Slim naar Antwerpen



## Logistics Platform

Transport & logistics companies are continuously looking for ways to increase efficiency of their operations, including supply chain management. With our Logistics Platform, they can do more with less. Be-Mobile empowers you to tackle the more complex and unpredictable issues in the industry, from smart route planning & calculation of transport costs to vehicle activity & real-time truck navigation.

A strategic coupling with our truck driver app FLUX is totally disrupting logistics management for businesses on the one hand and the navigation experience for truck drivers on the other. FLUX incorporates every detail important for trucks that was never available in traditional navigation apps: speed, height, weight and length restrictions, ADR information, truck ETAs and paperless driving. This prevents trucks from driving through busy city centers or narrow streets, optimizing their time on the road.

**Product website:** [www.be-mobile.com/products/logistics-platform](http://www.be-mobile.com/products/logistics-platform)  
**References:** Axxès, Port of Zeebrugge



# BRUSSELS MOBILITY

## Company description

Brussels Mobility is the administrative body responsible for infrastructure, public works and transport within the Brussels Regional Public Service. Our daily challenges: improving mobility and the safety, accessibility and quality of public spaces in Brussels in order to optimize the quality of life of residents and commuters.

Our main activities consist of:

- providing a coherent vision of mobility and spatial planning by proposing strategic development principles
- developing pleasant and functional public spaces (lighting, street-line trees, works of art and fountains)
- maintaining and renovating regional roads (repairs, resurfacing, road markings, salt spreading in winter, etc.) and public transport infrastructures
- guaranteeing the safety of all users (traffic lights, renovation of tunnels, awareness campaigns, monitoring of driving schools and examination centers...)
- promoting the use of sustainable transport methods (amenities for pedestrians, cyclists and public transport, communication)
- monitoring mobility in Brussels (counts and simulations, management of incidents and events on the network 24/7, traffic info)
- ensuring accessibility for people with reduced mobility (lifts, lights with sound countdown for the visually impaired, raised paving slabs...)

To attain these objectives, Brussels Mobility can count on 500 members of staff with various profiles and an annual budget of more than 700 million €.



BRUXELLES MOBILITÉ  
BRUSSEL MOBILITEIT

SERVICE PUBLIC RÉGIONAL DE BRUXELLES  
GEWESTELIJKE OVERHEIDS Dienst BRUSSEL

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[mobilite@sprb.brussels](mailto:mobilite@sprb.brussels)  
[www.mobilite-mobiliteit.brussels](http://www.mobilite-mobiliteit.brussels)

## Smart Mobility

Brussels Mobility contributes actively to the development of Smart Mobility in Brussels, through a number of projects:

- The dynamic management of traffic lights
- The notification by citizens of issues with road and public space infrastructure via the Fix My Street platform
- The coordination of road works in Brussels via the Osiris platform and its centralized database of all worksites carried out in the public area on local and regional roads
- The remote information on public car parks in collaboration with Parking.brussels



## Data Mobility Brussels

Brussels Mobility gives access to various data related to mobility and public works in Brussels:

- cartography: via MOBIGIS, its geographic information system, it is possible to visualize all the data on map, measure, draw, ...
- indicators for monitoring mobility
- Opendatastore.brussels



## Company description

Innovation, transformation and leadership occur in many ways. At Deloitte, our ability to help solve clients' most complex issues is distinct. In Belgium, Deloitte has more than 4,000 employees, serving national and international companies, from small and middle-sized enterprises, to public sector and non-profit organisations.

Deloitte's dedicated **Future of Mobility** team is active across the globe and builds upon a vast volume of insights and thought leadership. We help **public** (across all layers of government) and **private sector clients** to **imagine the future, define their strategy and implement new mobility solutions**. We offer **expertise across strategy, regulation, digital, innovation, supply chain and sustainability** to help our clients become leaders in the evolving mobility ecosystem.

## The Future of Mobility for the Public sector

"Government is playing a key role in shaping the future of mobility. Public transport, interconnected and demand-driven, is playing a prominent role. Adaptive regulation could act as an important catalyst for the development of new forms of mobility, such as dynamic road pricing to adjust mobility behavior. We leverage our **local teams and our international network to serve across all government layers**."

- **Clients:** Policy makers, public transport operators and authorities, local government, smart cities, infrastructure agencies, ...
- **Typical client challenges:**
  - How can we shift from operator and regulator to accelerator and strategist & improve strategic alignment for all public transport authorities and operators?
  - What is the best way to accelerate the transition to cost-efficient and demand-driven public transport?
  - How can we further deploy Intelligent Transport Systems?
  - How can (open) mobility data enable and accelerate smart and green mobility?
  - What alternative funding options could compensate public budget constraints? How can we change mobility behaviors of our citizens through incentives like usage-based road pricing?

### References:

1. Flemish Government, **Creating long-term mobility plans for 7 mobility regions (86 municipalities) implementing the new legislation on "basisbereikbaarheid"**: co-creation of regional mobility plans for 7 regions (Vlaamse Ardennen, Aalst, Waasland, Brugge, Roeselare, Westhoek, Oostende) integrating a network vision for all public transport modes, including new mobility solutions (demand-driven transport, shared mobility), supported by infrastructural actions (P&R, mobipunten, road categorization, cycle paths, ...)
2. Flemish Government, **Strategic study on the design of a demand-driven and hierarchical layered public transport network in Flanders**: definition and budget re-allocation of 4 hierarchically layers, shifting to a demand-driven and cost-efficient public transport, enabling shared mobility and the liberalization of public transport
3. Federal Government, **Smart Mobility Call 2018-2019**: Promoting and selecting out of 137 project applications 15 innovative mobility solutions in the domains of MaaS, open data and mobility innovation.
4. Brussels Government, **Developing a new strategy for taxi and ride-hailing in the Brussels region**: impact assessment and international benchmarking on taxi licenses and the regulation of digital platforms, ticketing, pricing; developing a futureproof strategy for the regulation of the taxi and ride-hailing market.

## The Future of Mobility for the Private sector

"From strategy to implementation, we offer tailored consulting services and deep industry insights to tackle the most complex challenges in the mobility ecosystem."

- **Clients:** Fleet operators, insurance companies, parking operators, automotive and automotive suppliers...
- **Typical client challenges:**
  - Scenario planning: What will the future of mobility look like?
  - To which extent will the future of mobility impact our business?
  - Which role should / will we play in the new mobility ecosystem? (Where to Play)
  - How are consumer expectations evolving, and how can we build and launch new mobility products and services?
  - How can we differentiate ourselves within the new mobility ecosystem in order to strengthen our position? (How to Win)
  - How should an organization align its strategy, business model and capabilities to succeed?

### References:

1. **Product innovation for a leading insurance provider in Belgium**: Designed and implemented innovative corporate insurance product to cover multimodal mobility for employees
2. **Future of the car for a roadside assistance provider**: Analyzed Future of Mobility in context of roadside assistance, and defined 2025 target operating model
3. **Connected Car at a global vehicle leasing leader**: Defined short-to-mid-term Internet of Things strategy and product & service roadmap
4. **Growth strategy for a Tier 1 automotive supplier across Europe**: Developed 2025 growth strategy in the context of the changing mobility ecosystem

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Deloitte.



Future of Mobility  
A New Deal for Mobility in Belgium  
2 May 2019

Visit our 'New deal for Mobility in Belgium' study

## Company description

Flanders' infrastructure and mobility are in the reliable hands of the experts at Mobility and Public Works. 3,000 dynamic members of staff prepare the groundwork for new policies, administer and oversee the major investment projects and deliver groundbreaking technical support. We work to ensure smooth-paced hinterland connections and an advanced intelligent multi-modal mobility. Safety, climate and sustainable prosperity for the entire region are paramount in everything we do. The exchange of know-how and economic networking have given the seaports of Flanders a prominent position on the world map. Technical expertise and scientific research in highway and hydraulic engineering underpin a wide number of international collaborative projects. We work with our international partners as well as with the other Belgian regions and the federal administration, to disseminate our expertise, broaden our know-how and exchange experiences.

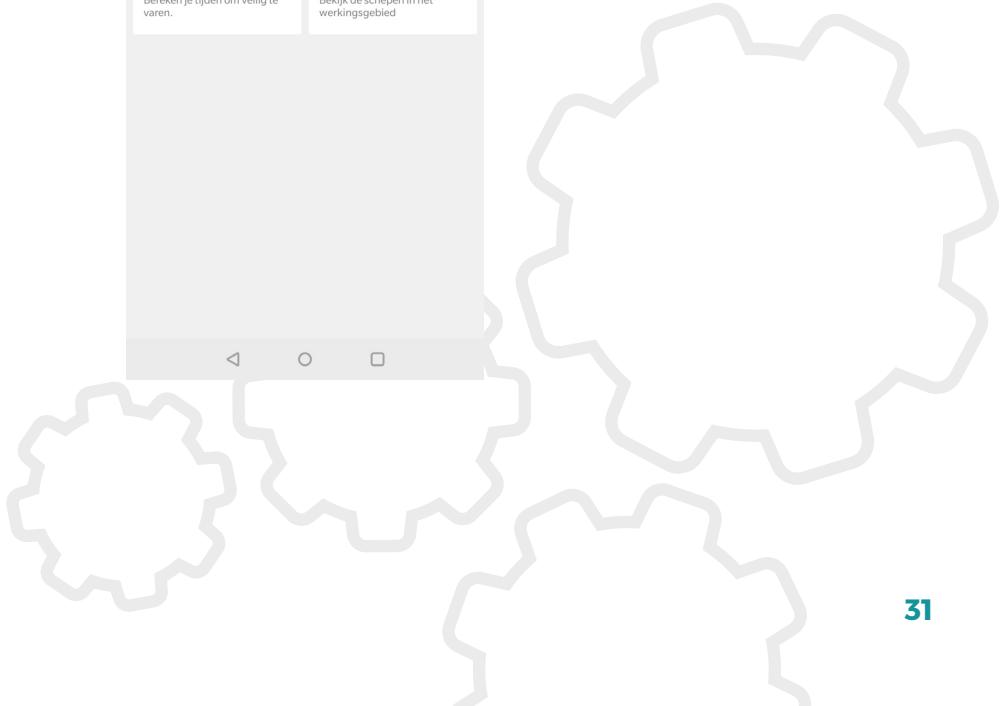
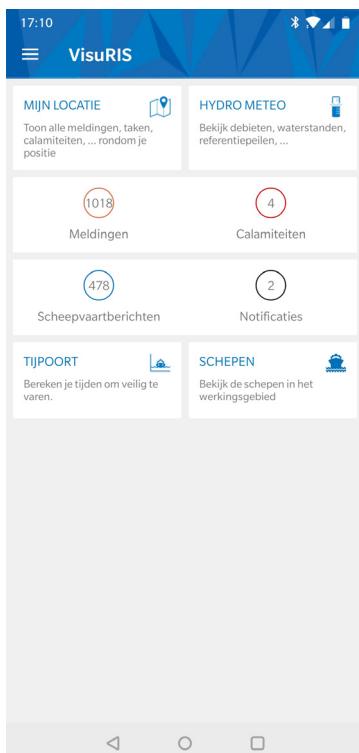
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[www.flanders-waytogo.be](http://www.flanders-waytogo.be)

## Open data website of the department Mobility and Public Works

The Flemish Department of Mobility and Public Works pursues an active open data policy. A register of open data from the department and related organizations, news and information on events can be found on our website: [opendata.mow.vlaanderen.be](#). The department supports app developers and other re-users in their development of open data applications that are in line with the policy objectives. The purpose of the website is to make the available open datasets known here and bundle them at 1 location.

## VisuRIS app

VisuRIS is a set of products that visualise and provide operational information and geographical data for different users of the inland waterways. VisuRIS combines all aspects of the four RIS key technologies (Electronic reporting, AIS, Inland ECDIS charts and Notices to Skippers) in one unified solution and acts as presentation layer. The VisuRIS app enables registered users to follow their vessels and notifications using an App. The VisuRIS app is available at Google Play and at the Apple- App Store



## Company description

Lab Box is a Belgian start-up studio focusing on the future of mobility. Lab Box has the ambition to promote and develop new mobility solutions that will make cities more liveable and enjoyable in the future. Vision & Mission: Improving mobility of people and goods in a scalable & sizeable way, using Belgium as a test market and Europe as its playground

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## Ush

Ush is Belgium's first dedicated autonomous mobility provider.

Contact: Dario Deserranno, 0474 878 578, [dario@ush.be](mailto:dario@ush.be)

Product website: [www.ush.be](http://www.ush.be)

References: STIB-MIVB : pilot project on various sites (Woluwe park, Solvay Brussels campus, hospital campus); VUB (Mobi - SMIT) : research project on the Brussels Health Campus (Jette)

## SKIPR

Skipr is a MAAS app solution. Skipr was founded with the goal of enabling everyone to move everywhere, through any mode of travel and any point of connection. With the current mobility offer, it's easy to lose track. Skipr brings harmony to the complexity and connects all modes of transport and payment.

Ecosystem: No need to juggle around multiple apps. Get access to shared & public transport in one single platform. plan, book & pay  
Look up your destination, book your shared vehicle and pay for your tickets in one go.

Intermodal travel: Smoothly combine shared and public transport in one journey.

Product website: [www.skipr.co](http://www.skipr.co)

## Poppy

Poppy is the mobility sharing platform in Antwerp and Brussels, and Brussels airport, with hundreds of environmentally friendly sharing cars and e-scooters. Your Poppy, your choice, your freedom.

Product website: [www.poppy.be](http://www.poppy.be)

## Lizy

Lizy is a fully digital leasing platform for SME's that offers high quality second-hand cars at low prices. Order your leasing in a couple of clicks and have it delivered to your door within 2 weeks. Lizy is also specialized in short term lease to help companies with short term solutions with competitive prices.

Product website: [www.lizy.be](http://www.lizy.be)

## Carasap

Carasap offers a personally tailored transportation service to companies at competitive rates. Booking a trip has never been easier through the app, webplatform or hotline. Belgium lacks services of vehicles with drivers, and that is where CarASAP comes in. We offer a reliable, comfortable and affordable means of transportation to our customers. Thanks to our technology, anybody can book a journey (immediate or in advance) with a professional driver - either online, via Smartphone App or by telephone.

Product website: [www.carasap.be](http://www.carasap.be)

## My Move

My Move is the most efficient way to manage an internal fleet of vehicles, scooters, steps and bikes. The app makes it easy for a corporate community, employees or a private community, to locate, select and unlock vehicles of their fleet and manage their budget. It is the greenest and smartest company fleet solution leveraging the new mobility budget.

Product website: [www.mymove.be](http://www.mymove.be)

# SMART WAYS TO ANTWERP

## Company description

Smart Ways to Antwerp, part of the city authority, involves several partners and stakeholders who work together on creating a shift towards sustainable mobility. It acts as an umbrella brand aimed at informing, raising awareness, supporting the development of innovative mobility solutions, and achieving behavioural change. Smart Ways to Antwerp includes a broad range of projects targeting different target groups: citizens, visitors, commuters, companies, entrepreneurs, service providers.

## Smart route planner

Plan your route with our unique multimodal route planner. It takes road works and detours on your route into account. Each time, it calculates the best, quickest and smartest route. If a route does run along road works or other infrastructure works, the proposed route will take possible delays into account. The route planner also takes the low emission zone into account. If a proposed route runs through the LEZ, it will automatically issue a warning.

**How does the multimodal route planner from Smart ways to Antwerp work?** Perhaps you are used to relying on just one transport option, such as a car or a bike, from door to door. This type of route is called a unimodal route. Smart ways to Antwerp's multimodal route planner combines all the available transport options, so you can easily coordinate various options for a multimodal route.

Product website: [www.slimnaarantwerpen.be/en/route-planner](http://www.slimnaarantwerpen.be/en/route-planner)

## Smart ways to Antwerp

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## Smart ways to Antwerp app

The multimodal route planner is available as an app for your smartphone. You can find a route much easier, by saving favorite routes and locations, but the app can also make personal travel suggestions and send you notifications. The route planner combines routes on foot, with your own (folding) bike, Velo, tram, bus, train and car. Car routes are diverted to P+Rs and public car parks in the city. Sometimes you can get to your destination more easily by combining transport options. You can also save favorite locations and routes in the app, ensuring you can select your most frequently used route more easily. Users can also choose to receive notifications through the app in case of roadworks with a major impact on traffic or when new mobility solutions are launched. A new bike or car sharing system, for example, is news that can be relevant to all the users. A smart map shows you where interesting locations like P+Rs, tram stops, car sharing hubs, LEZ day pass vending machines and others are located. You can also use the smart map to calculate a route to your chosen location.

# SMOP

## Company description

A consortium of the four Belgian public transport operators & nextmoov

## Smart route planner

The Smart Mobility Planner (SMOP) is the first real-time, intermodal route planner available for Belgian travellers. It is the result of a unique collaboration of the four Belgian public transport operators (namely De Lijn, TEC, SNCB/NMBS and STIB/MIVB) and nextmoov, a Belgian digital studio. The SMOP provides real-time routing and allows for combining public transports with complementary mobility solutions (your own bike, personal car, 3rd party mobility service providers ...).

The SMOP is built upon open-source technologies with the ambition to demonstrate the robustness and scalability of such technologies in building innovative mobility solutions. 20.000+ users have used the SMOP in its pilot phase, for a total of 280.000+ routes planned. In an effort to improve the Belgian mobility ecosystem, most of its source code will be released.

The SMOP is a winner of the Smart Mobility Belgium fund of ministers Bellot and De Croo.

Product website: [smartmobilityplanner.be](http://smartmobilityplanner.be)



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## Company description

ANYWAYS builds products that allow transportation professionals to analyse and compare various mobility scenarios and it provides highly customizable route planning services.

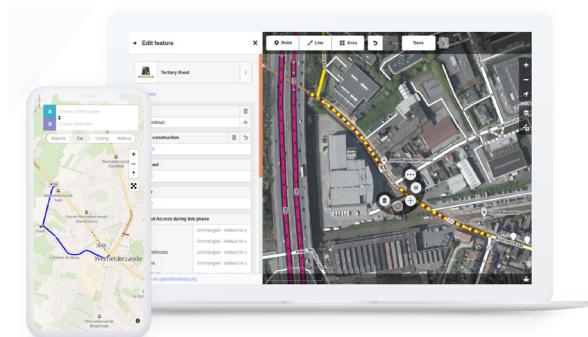
We see multimodal mobility as a necessary step towards sustainability. A lot of technology related to mobility that exists today is car-centric or even car-only, our tools and routeplanners don't make this mistake by supporting an increasing amount of alternative transport modes.

## ShortCut

ShortCut is a simple yet powerful solution for communication and analysis of temporary network changes due to roadworks or events. It is a fundamental building block that allows cities and road administrations to take mobility planning and management to the next level. It allows cities to publish their own open data in international standardised formats based on input from third parties and after verification of the changes using a set of basic network testing tools.

**Product website:** [www.anyways.eu/shortcut.html](http://www.anyways.eu/shortcut.html)

**References:** Slim naar Antwerpen, Leuven, Brussels Gewest



## Company description

We are Dynniq. A dynamic, high-tech and innovative company offering integrated mobility and energy solutions and services internationally. Our 1800 employees design, develop, engineer, integrate and maintain technology solutions that enhance the flow of everyday life.

Our mission is to enable people and goods to reach their destinations efficiently, sustainably and safely through advanced technology solutions. Dynniq has a comprehensive knowledge of managing mobility, parking and energy using systems engineering approach. Our solutions enable the efficient connection of mobility and energy flows that create a vital and strong infrastructure.

Our experienced and knowledgeable staff work closely together with our clients in Europe, South America, the United States and Canada. In doing so, we engage with our clients in a reliable, open and pro-active way; 'we take a seat in your world.'

## Dynniq and connectivity

Dynniq Belgium is also active as an integrator in the telecommunications domain. We are currently active either directly or indirectly, as an integrator for utility companies, major mobile operators, governmental organizations and private businesses in Belgium. Our ability to provide expert support and operational services is complemented by products and support from best in class technology partners.

Dynniq is a leading technical services provider in telecoms and broadcasting that combines consultancy expertise, technical knowledge, industry experience and the best of breed technologies. It is why Dynniq Belgium has frequently been chosen by major operators, big companies and vendors as System Integrator.

Dynniq Belgium has forged alliances with today's top vendors delivering the latest cutting edge and flexible technologies which maximize the full capabilities.

Dynniq Belgium is specialized in providing the network components and the expertise needed to build, operate and maintain mission critical networks, like f.e. mobility networks.

**Product website:** [www.dynniq.com](http://www.dynniq.com)

**References:** VLCC (City of Antwerp), C-ITS (AWV), Verkeersregelaars (Bruxelles Mobilité)

# EUROPCAR MOBILITY GROUP



## Company description

Europcar Mobility Group has been Europe's leading car rental provider for almost 70 years. The Group continues to strengthen its original vehicle rental expertise, aiming at better answering all customers' needs whatever the budget and the usage. This was underlined by the acquisition of Goldcar, the low-cost car rental leader in Europe, Buchbinder, one of the major truck rental leaders in Germany and more recently Fox Rent A Car, to accelerate its growth momentum by a direct presence in the USA, biggest worldwide market.

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## Solutions

### Europcar

Short term car rental - from 1 day to 365



### Scooty

Electric scooter sharing in free-floating - from 1 minute. Available in Brussels and Antwerp



### Europcar Mobility pass

Direct access to the services of dozens of mobility partners throughout Europe. Public transportation, taxi, parking, bike rentals, car-sharing or even shared office spaces: all expenses related to your business trips are paid using the pass and invoiced to the company at the end of month.

### Ubeeqo on demand

Hire a car from one hour to 3 days for your business needs. 100 cars and vans available on demand, 24/7 in Brussels.

### Smart parking management in cooperation with Commuty

### Bike leasing in coöperation with Ctech

Europcar Bikes provides to employees an environmentally-friendly alternative to traditional company cars by offering leasing of (e)-bikes with the possibility for the employee to buy it back at the end of the rental period.

### Renting of scooters and bikes in our Brussels' agency

# EY

## Company description

At EY, we are committed to help building a better working world - one with increased confidence in business and government, sustainable growth, talent development in all its forms and a better society. Part of that strategy is to help shape the future of mobility. We help both public and private clients in tackling challenges related to:

- **Organizational development:** operating model design and implementation
- **Digital transformation:** digital strategy, data analytics, cybersecurity & GDPR,
- **Governance:** ecosystem development, decision making, stakeholder management
- **Operational excellence:** supply chain, smart logistics advice, program management
- **Innovation:** customer oriented innovation, market strategy, concept development
- **Infrastructure & investments:** feasibility studies, pricing strategies, transaction advice



## Corporate Innovation - Venture building

# MOBLY.

### CHALLENGE

How can an international insurance player focussing on car-insurance (Baloise) remain relevant in the future mobility market with less car ownership, self-driving cars resulting in 0 accidents?

### APPROACH

- Defining a key challenge in the 2nd-hand market after extensive market research
- Development of a mobility brand launched as corporate venture by Mobly in the Belgian market
- Design thinking approach with focus on rapid-prototyping and iterative user feedback to continuously improve the launched MVPs

### DELIVERED

- Corporate venture with branding, ideation of proposition, prototypes and support
- Mobly grew with 25+ FTE, 20.000+ customers and 6-product portfolio range
- >100.000 monthly website visitors (3x Baloise.be)
- Use of flexible roadmap, pivoting on the business model and maintained experimentation and validation

## Company description

Geosparc's mission is to improve the lives of citizens with well thought-out, geolocation based solutions based on open software and open data.

With proven expertise in integrating geospatial technology with cutting-edge technology, Geosparc is a popular and trusted partner for businesses and government institutions in the collaborative goal of improving services through digital automation.

Geosparc's solutions range from SAAS software solutions for management of the public domain, real-time IOT reporting, issue reporting and more, to collaborative integration projects with international partners.



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## Parktrack

Software (SAAS) and middleware to effectively manage mobility-related IOT in realtime:

- Allows combining IOT data with other relevant data sources
- Check-status parking bays (incl technical info)
- Visualisation – navigation – identification of sensors, availability, parking duration...
- Fiware enabled
- Expansive reporting features (Birt, Jupyter, ...)
- Linked with intake of public domain
- Close collaboration with Enforcement organizations, hardware providers and City-wide Parking regulators

Project website: [www.parktrack.be](http://www.parktrack.be)

References: PARKO (Kortrijk), Stad Leuven, NEDAP, InTouch



# HERE TECHNOLOGIES

## Company description

HERE, the Open Location Platform company, enables people, enterprises and cities to harness the power of location. By making sense of the world through the lens of location we empower our customers to achieve better outcomes - from helping a city manage its infrastructure or an enterprise optimize its assets to guiding drivers to their destination safely. To learn more about HERE, including our new generation of cloud-based location platform services, visit [360.here.com](http://360.here.com) and [www.here.com](http://www.here.com).



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## HERE Transit API

The HERE Transit API improves the experience of using public transit. Integrated into any application, it finds the most intelligent way to get to a destination based on dynamic events. It carries information on real-time departures and service interruptions. If a train is leaving in two minutes, but the station is a five-minute walk, the API is smart enough to know you may need to use a different means of transportation. The API leverages a rich portfolio of data from public transit authorities and external agencies, as well as HERE proprietary map content, to improve the entire door-to-door user experience. It provides precise pedestrian instructions that account for pedestrian-specific features - such as stairways, sidewalks, crosswalks, bridges, tunnels, elevators, escalators. It even switches to estimated transit routing when no timetable coverage is available. HERE collects transit data from over 2,800 sources, covering over 1,800 cities in 58 countries. HERE enriches routing computations with real-time information whenever possible with more than 120 real-time feeds.

Product website: [www.here.com/c/urban-mobility/on-demand-transportation](http://www.here.com/c/urban-mobility/on-demand-transportation)

## HERE Intermodal Routing API

Putting intelligent, informed tools in the hands of commuters can help them be confident about opting to park up and take the train, rather than adding to downtown congestion. The HERE Intermodal Routing API can tell a commuter how long it takes to drive to the station or suggest an efficient transfer to public transport - with parking options nearby - if there's a low-emission zone ahead. It will also tell them when the next train leaves relative to their arrival time - and how long will it take to walk to the office. Future capabilities will include options to suggest parking at EV charging stations near public transport.

Product website: [www.here.com/c/urban-mobility/on-demand-transportation](http://www.here.com/c/urban-mobility/on-demand-transportation)

# ICOMS DETECTIONS

## Company description

Subsidiary of IRD Inc., Canadian company specializing in supplying products and systems to the global ITS industry, Icoms Detections designs and manufactures vehicles and pedestrians microwave sensors. They are mainly used in the following sectors:

- INTERSECTION: detectors for traffic signal management, from simple approaching vehicle to stop bar presence sensor.
- WARNING: vehicle speed measurement radar for speed warnings and VMS; speed displays.
- DATA COLLECTION: devices for counting, speed and length measurement, for temporary or permanent applications; bicycle counting with high accuracy.
- CLEVER LIGHTING: pedestrians, cyclists and vehicles sensors for intelligent public lighting systems.

Thanks to more than 25 years worldwide experience, Icoms supplies efficient, reliable and simple to use radar solutions to cover all your needs. Wherever you need to detect, Icoms makes your life simpler and safer in one click.



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## TMA-122

The TMA-122 is an all-in-one microwave detector for traffic light management: it counts the vehicles crossing the traffic light line, detects their approach AND presence at the foot of the light. It means it replaces the approach loop AND the presence stop line loop. The TMA-122 detects vehicles approaching the stop line from a distance of 20 or 60m. Two relays are activated: one when a vehicle is moving in an area 20 or 60m in front of the stop line, the other when a vehicle is moving or stopping in an (adjustable) area of 10m in front of the stop line. The "foot of the light" relay is maintained, within the time limit of forgetting, until the vehicle is restarted. This relay switches for each vehicle crossing the stop line. This information can be easily converted into a count by the junction controller. If a vehicle does not start when the light turns green, the automatic control system is thus informed of a possible blockage of the intersection.

- Detection of moving and stationary vehicles
- Settings without opening the housing
- Self-monitoring
- Comfort of installation and use

Project website: [icomsdetections.com/project/tma-122-en](http://icomsdetections.com/project/tma-122-en)

References: Glasgow, Blackpool, Liverpool, Aéroports de Paris, Miribel ...

# INFORMATIE VLAANDEREN

## Company description

The mission of Informatie Vlaanderen is to build a government wide information policy and implement the transition of the Flemish administration towards an information driven government.

Tasks related to this mission are:

- Preparing policy on digitization of government services
- Building digital information services
- Exchange platform for data between administrations and local government
- Unique information point for citizens and enterprises
- Digital archives
- Digital inclusion

## Information Platform for the Public Domain (GIPOD)

This information platform aims to reduce hindrance for roads users and people living in the neighbourhood by supporting the process of information exchange about planned road and utility works, events and other activities on the public domain. Furthermore, the platform offers support for two additional processes:

- conflict handling between road works, events and deviations
- efficient co-ordination of road and utility works.

The core of the platform consists of a secured portal and database. Furthermore information is propagated to the public as open data through a public service API, a WMS and [www.geopunt.be](http://www.geopunt.be). As a result, nuisances are known beforehand, works to be carried out can be organised considering each other's timings and alternate routes can be worked out in time.

# INFORMATIE VLAANDEREN

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## Company description

InfraSoft is a software engineering company specialized in real-time supervision, automation and integration of remote control components of infrastructure equipment such as bridges, locks, tunnels or smart cities, all of which integrate divers systems such as cameras, lighting, ventilation or heating. The software running and monitoring such distributed installations is crucial to the success and safety of the project. InfraSoft develops software (based on Supervisory Control And Data Acquisition) making it easy to link components and technologies used in infrastructure projects built to last for decades. As a producer of products and services InfraSoft focuses on the maintainability and evolvability of commercial off the shelf solutions. The InfraSoft team of seasoned professionals has been involved in infrastructure projects around the world for over 30 years. Discover our durable infrastructure solutions at [www.infrasoft.be](http://www.infrasoft.be)!

## Trails - Tracks - Steps @ concept

InfraSoft's portfolio is based on the conceptual product solutions Trails (platform), Tracks (application factory) and Steps (methodology) linking existing off the shelf SCADA. The Trails suite platform consists of the conceptual elaboration of an architecture making use of modular building blocks forming a supporting technical layer enabling vertical integration to other application platforms. From Assets to analytics, consolidated data and the seamless integration of several techniques are central. Services and data are being combined at a central level avoiding techniques and functionalities being built and rebuilt within several applications, or the same data being stored several times at different locations. Tracks are libraries, templates for re-usability containing domain specific applications. Steps contains the workflow, skills and methodology of the Tracks ecosystem. A team of stakeholders with trust and shared vision is your insurance policy for risk reduction.



# LOCALYSE

## Company description

Localyse is Google Cloud Premier Partner of the Benelux and specialized on Google Maps. We create products ourself, build on top of Google Maps, but we also support our clients during their appdevelopment. Are you wondering how Google Maps can help your organisation? Or wondering what location based data can do for your business? Location is our passion and we truly believe that everyone benefits of a good, structured and creative Location Strategy. A Location Strategy is a strategy where you can find a great value for your business, using locations or location based information. We would like to support your business to find the best Location Strategy.

**Are you curious to find the best Location Strategy for your business? Feel free to contact us!**



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## ODIQ - Traffic Monitoring

ODIQ helps mobility staff to improve the mobility of their municipality or city. Thanks to smart control and analysis of routes based on Google Maps Data (floating car data). ODIQ gives mobility officials the most up-to-date traffic information. In this way, they can make better decisions about traffic situations and respond more quickly to citizen requests. ODIQ is also useful for carrying out a mobility analysis with real-time data during road works, pilot projects or events, all this right from your PC without having to install any hardware at a location.

All this makes ODIQ the perfect tool for mobility managers of cities and municipalities to monitor and, where possible, improve local accessibility & mobility.

Benefits of using ODIQ for traffic management

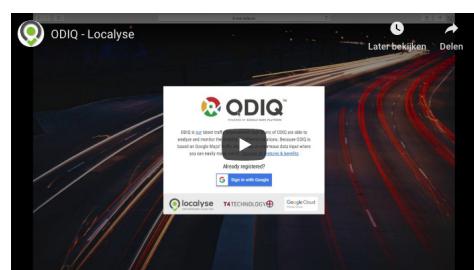
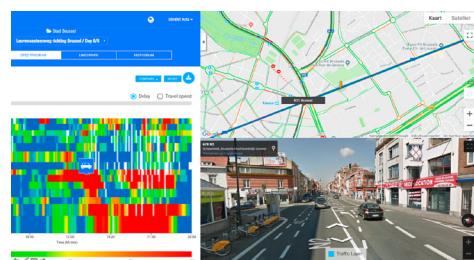
- Gives detailed real-time traffic information every 50m (164ft)
- Allows cities to visualize and interpret traffic flows based on Google Maps FCD
- Reduces the need for additional sensors to be installed
- Supports decisions to improve safety, reduce pollution and cut costs

Product website: [localyse.eu/odiq](http://localyse.eu/odiq)

References:

ODIQ voor lokaal mobiliteitsbeleid: Aalter, Gent, Macq, NGI

Construction: bam, Heijmans



## Company description

Mobility becomes more important every day and it is impossible to still remain indifferent to it. The intelligent road is a concept which is now recognized. MACQ has contributed to it since 1990! From the road to the supervision centers, in the city as on the motorways, our products and developments provide the necessary information and security. MACQ is a strong player in Europe for the applications based on ANPR. During the last 12 months MACQ was active in:

- Redlight video detection
- Travel time measurements
- Tolling systems
- Limited traffic zones and low emission zones
- Tunnel monitoring
- Parking and access control systems
- Security applications
- Section speed control
- Bus lane monitoring
- Identification of hazardous material signs



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## Smart Mobility

The new Smart Mobility solution from Macq gives you opportunities to solve new challenges with ANPR technology. Thanks to iCAR-CAM, the fully integrated (embedded) smart camera that automatically recognizes number plates and thus uniquely identifies each vehicle. For this purpose, iCAR captures front or rear views of the vehicle. The integrated image processing software automatically scans the stream of incoming images for any vehicle and its number plate. The smart camera developed by Macq are used for dangerous goods detection, access control, visitor identification, long distance speed measurement (average speed), bus lane protection, container reading on passing trains or trucks, or to monitor traffic at designated areas such as tunnels and airports. Besides recognition of types of vehicles, these systems provide significant data and statistics to be used for traffic management purposes. The data from these systems facilitates traffic density measurement, safety management through identification and containment of maximum quantities of dangerous goods on certain roads, tunnels or within specific geographical areas and similar applications.

**Product website:** [www.macq.eu/smartmobility](http://www.macq.eu/smartmobility)

**References:** ALPR network Flanders, Traject control in Wallonia, Traject control in Flanders, ANPR in Brussels



## Company description

**Mobly is a start-up with a mission:** to make mobility easier. The Mobility Insurance is not their first product: the start-up has been launching since October 2017 already a series of services, such as roadside assistance and a free car report. Over the past year, Mobly has been helping thousands of people buying or selling a car. And more than 30,000 Belgians are already using the Assistance app. Moreover, the company continues to work on the road because in the future Mobly will be launching a number of new services that will make mobility easier.

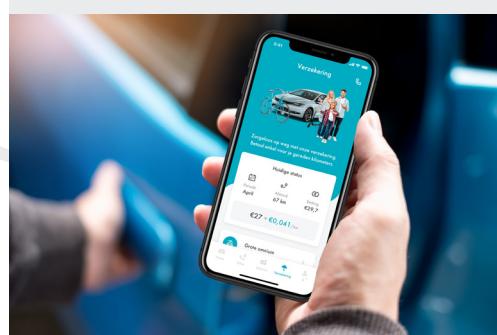
## The Mobility Insurance

The car insurance that covers your mobility. Whether you're on a bike, bus, scooter or segway? With Mobly you are insured for every kilometre, no matter how you travel. In addition, you only pay for the kilometres driven by car.

**Product website:** [mobly.be/nl/oplossingen/autoverzekering](http://mobly.be/nl/oplossingen/autoverzekering)

## MOBLY.

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## Breakdown Assistance without subscription

Why should you pay for a subscription if you are never unlucky? With the Mobly Go app, you only pay for assistance when you need it.

Going abroad? Count on breakdown assistance for € 2.50 per day.

**Product website:** [mobly.be/nl/oplossingen/pechverhelping](http://mobly.be/nl/oplossingen/pechverhelping)

# NEDAP IDENTIFICATION SYSTEMS



## Company description

Nedap is the leading specialist in systems for long range identification, wireless vehicle detection and city access control. We offer Identification Systems and Mobility Solutions that optimize, monitor and control traffic flow of vehicles and people. Safe, secure and efficient. Nedap Identification Systems offers a full range of innovative products that combine leading edge technology with quality resulting from over 30 years of RFID experience. Nedap Identification Systems is part of Nedap N.V., headquartered in the Netherlands.

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## Wireless vehicle detection

SENSIT is a technology platform used for vehicle detection. Each sensor monitors the presence of a vehicle in the parking. It knows if there is a car or not and how long the car has been parked there. Through wireless network this information is sent to the SENSIT server. The occupancy status and parking duration is made available from that (cloud based) server to applications. Typical applications for SENSIT are:

- Guidance
- Enforcement
- Reporting

Nedap has started developing SENSIT in 2006 and was one of the first to identify the potential of sensor technology for parking management. Real life experience and significant effort and investments have resulted in a system that has proven itself in a variety of applications. High accuracy levels, a fast wireless network and a battery life of more than five years have resulted in high confidence levels with our partners and clients. Our organizational size, engineering capability, financial position and international presence reassures them that Nedap is the partner that will continue to support them in projects of any size in any part of the world.

**Product website:** [www.nedapidentification.com](http://www.nedapidentification.com)

**References:** Shop 'n Go Kortrijk, Waregem, Mechelen, Koksijde, Oostende, Leuven



# OPEN KNOWLEDGE BELGIUM

## Company description

"A world where knowledge creates power for the many, not the few" That's a world we believe in. Open Knowledge Belgium is a grass roots organisation that consists of people, mainly volunteers, passionate about openness, using advocacy, research and technology to unlock information, enabling people to use and share knowledge in Belgium and beyond. We are a non-profit promoting Open Knowledge and an umbrella organisation for our 6 active working groups. We're also one of the local chapters of Open Knowledge International. Want to help us open up knowledge in Belgium? Get involved!



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## Open Planner Team

Countless projects have tried to create a perfect intermodal route planning experience, and all of them have been investing over and over again in integrating the same data. When the funding from these projects disappears, also the data integration disappeared. The Open Planner Team wants to empower anyone to build any kind of route planner, without having to invest in data integration. Your route planner should work out of the box. Therefore, we are first and foremost working on the Open Data itself, by helping data owners publish their data. By building open source tools that can consume these open data sources automatically, we hope to build a level playing field for Mobility as a Service players.

**Product website:** [openplanner.team](http://openplanner.team)



the mind of movement

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## Company description

PTV Group improves mobility and transport - by using world-class software, data and scientific know-how gained from four decades of experience in planning and optimising the movement of people and goods. Recognised as global market player with German technology, we help cities, companies and people save time and money, enhance road safety and minimise the impact on the environment.

In Logistics, our portfolio ranges from software for scheduling transport routes and trips to distribution planning and fleet management, including truck navigation and parking. A special online service provides real-time info during the transport process and across the entire supply chain. In Traffic, we offer technologies for traffic planning, network modelling and simulating across all modes of transport, including real-time traffic management as well as Mobility-as-a-Service (MaaS) solutions.

## MaaS Modeller

Calculate the relevant KPIs to create an effective business model for Mobility as a Service Fleets within any city infrastructure.

The PTV MaaS Modeller is the right solution for you to:

- Model MaaS fleet operations
- Report fleet operational performance KPIs
- Model the entire multimodal traffic system performance
- Analyse congestion impact
- Analyse the competition with other modes of transport
- Integrate your potential business model in existing models & data provided by cities

# PULSAR CONSULTING

## Company description

Pulsar Consulting is an IT company specialized in tailor-made software development and services. With twenty year of experience we are able to offer our clients the best solution for their organisation in several domains such as the traffic & mobility (Smart City), the logistic & industry, the aeronautical, the food & cosmetics or yet again in the medical & insurrance. Our expertise in the Smart City domain allowed us to work with entities such as ITS, Agoria, or the Brussels Region Mobility Ministry to develop a standard set of icon for the mobility domain. But we also developed a solid knowledge of Datex II, the european data standard.



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## P-PGI: Pulsar Parking Guidance & Information System

P-PGI stands for Pulsar Parking Guidance & Information System and is an autonomous 24/7 system fulfilling several needs in the mobility domain around parking and traffic guidance, in order to support the mobility optimization for public and private actors.

**Product website:** [www.parking-guidance.com](http://www.parking-guidance.com)

**References:** P-PGI is already in use in Brussels. There are 50 on-street display connected to more than 80 affiliated parking. Brussels intened to amplify this project by installing more than 75 new displays. Brussels reckons on installing 75 new displays.

## Smar-Dis (Smart Display)

Smar-Dis makes your digital displays in town smarter. Gain the full control of your on-street display. In addition to common function such as displaying image, text and video, Smar-Dis allows you to divide your display area to create your own template and it allows you to display complexe structures such as Parking information, Weather information, Public Transport, Flash News, Traffic Info, ... Designed to maximise the used of full matrix and full color display. Smar-Dis can be installed in any size range.

**Product website:** [www.smar-dis.com/smardis](http://www.smar-dis.com/smardis)

**References:** Our display is already installed in cities such as Bastogne

## Company description

As a provider of integrated mobility solutions, Siemens Mobility networks various systems to enable our customers to transport people and goods more efficiently. We thereby combine our competencies, from urban, interurban and logistics mobility to create comprehensive mobility expertise for rail, road, and air traffic.

## Mobility as a Service (MaaS): yes, we can!

### Intermodal solutions – seamless transport for a sustainable future

Siemens Mobility provides a unique and holistic ecosystem of digital services and solutions. From trip planning across passenger communication to mobile ticketing, payment and comprehensive MaaS solutions, fleet management to train planning systems and mobility data analytics, we share one common goal: enhancing the passenger experience.

**The Mobility Marketplace:** the optimal platform for mobility. The platform provides the necessary information for intermodal mobility and enables transport operators to extend their range of services with multimodal and mobile services.

**Next Generation Ticketing** - Just go for fast boarding, easy travel and smart ticketing. Our solution provides a smart way for easy access and convenient connections. One thing is guaranteed: No more ticket chaos!

**Travel comfort.** The goal is to offer passengers the optimal solution for the shortest travel time, seamless transfers to other means of transport, and up-to-date passenger information for their route.

Product website: [new.siemens.com/global/en/products/mobility/integrated-mobility.html](http://new.siemens.com/global/en/products/mobility/integrated-mobility.html)

## Sitraffic

Sitraffic ESCoS (V2X) Vehicles communicating with infrastructure (V2I) or other vehicles (V2V) are the future. Siemens ESCoS cooperative traffic management system allows vehicles to connect with the infrastructure and the traffic control centers. The Siemens Road Side Unit (RSU) provides the vehicles directly with time-critical data while nontime-critical information such is transmitted from the cooperative ESCoS-CMS traffic management center via LTE to the cars. This is a very pragmatic approach, allowing road operators to combine the “best of both worlds” in pilot or operational C-ITS projects.

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[www.siemens.be/mobility](http://www.siemens.be/mobility)



## Company description

TomTom is the leading independent location technology specialist, shaping mobility with highly accurate maps, navigation software, real-time traffic information and services. To achieve our vision of a safer world, free of congestion and emissions, we create innovative technologies that keep the world moving. By combining our extensive experience with leading business and technology partners, we power connected vehicles, smart mobility and, ultimately, autonomous driving. Headquartered in Amsterdam with offices in 30 countries, TomTom's technologies are trusted by hundreds of millions of people worldwide.

## Toolkit for Electric Mobility

Toolkit for Electric Mobility is a set of APIs that developers can use to build web and mobile applications, navigation solutions, or fleet management systems for Electric Vehicles. It includes algorithms that are designed to address “range anxiety” and support innovative electric mobility applications, such as: accurate, traffic enabled reachable range calculations; an EV charging stations finder with real-time availability and detailed information (e.g. charging connector types); EV specific routing which can save up to 15% battery on a single trip and tell the driver the most optimal time and place to stop for charging, even for long distance travel beyond one battery charge. These algorithms are designed specifically for electric mobility use cases and are open to all: any developer or company, large and small, can access them and use them via the TomTom Developer Portal. With the Toolkit for Electric Mobility TomTom is helping developers, car manufacturers, operators of electric shared fleets to develop innovative services addressing range anxiety.

Product website: [developer.tomtom.com/products/ev-route-planning-use-case](http://developer.tomtom.com/products/ev-route-planning-use-case)

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# MaaS MEET & GREET

Join us during lunchtime for a **MaaS debate** with the public transport operators, followed by a **MaaS Meet&Greet** with key partners. In room Einstein (plenary room) the debate will start at **12h45** and the MaaS Meet&Greet will follow as of **13h30 until 14h**. **Xavier Tackoen** (Maestromobile) will guide you through this interactive session.

**ALD Automotive:** Through its leasing services and consultancy, ALD Automotive strives to help companies and their employees reduce costs and gain efficiency by guiding them on their journey to a world of multimodal mobility.

Contact: [ann.larosse@aldautomotive.com](mailto:ann.larosse@aldautomotive.com)  
Website: [www.aldautomotive.be](http://www.aldautomotive.be)



As a leasing company, **Arval** has the ambition to be the undisputed market reference for full service mobility solutions.

Contact: [philippe.kahn@arval.be](mailto:philippe.kahn@arval.be)  
Website: [www.arval.be/en](http://www.arval.be/en)



As a leader in smart mobility, **Be-Mobile** offers a wide array of solutions to help public authorities, road operators and private companies improve daily mobility for travelers.

Contact: [nicolas.talpe@be-mobile.com](mailto:nicolas.talpe@be-mobile.com)  
Website: [www.be-mobile.com](http://www.be-mobile.com)



**BePark** provides next generation parking solutions to help companies with the management of their carpark in order to reach optimal occupation and sharability among employees.

Contact: [jvd@bepark.be & ddb@bepark.eu](mailto:jvd@bepark.be & ddb@bepark.eu)  
Website: [www.bepark.eu](http://www.bepark.eu)



Bird's mission is to help cities become more liveable by helping to reduce congestion and pollution by giving people an alternative to the car.

Contact: [kevin.vanderweel@bird.co](mailto:kevin.vanderweel@bird.co)  
Website: [www.bird.co](http://www.bird.co)



**Circ** is one of the fastest growing global tech start-ups, with the bold ambition of improving people's lives through safe, convenient, affordable and comfortable mobility.

Contact: [sylvester.spitaels@circ.com](mailto:sylvester.spitaels@circ.com)  
Website: [goflash.com](http://goflash.com)



**Cityway**: Smart Technology for your MaaS strategy. We help public authorities implement MaaS solutions with state-of-the-art technology that combines all mobility services into one single app, so that your travellers can seamlessly plan, book, pay their intermodal journeys.

Contact: [iglorieux@cityway.fr](mailto:iglorieux@cityway.fr)  
Website: [www.cityway.io](http://www.cityway.io)



As the local public transport operator in Flanders, **De Lijn** wants to be the reliable and performant partner in sustainable and customer centric mobility services.

Contact: [guy.weyns@delijn.be & tom.geerts.ext@delijn.be](mailto:guy.weyns@delijn.be & tom.geerts.ext@delijn.be)  
Website: [www.delijn.be](http://www.delijn.be)



# MaaS MEET & GREET

**Europcar Mobility Group** is Europe's leading car rental provider and one of the major players in the mobility sector offering a wide range of services: car rental, van and truck rental, chauffeur services, (peer-to-peer) car sharing (Ubeeqo) and new mobility solutions such as Scooty (electric scooter-sharing).

Contact: [dominique.vanhomwegen@europcar.com](mailto:dominique.vanhomwegen@europcar.com)  
Website: [europcar-mobility-group.com](http://europcar-mobility-group.com)



**STIB/MIVB** is a public corporation, entrusted by the Brussels-Capital Region with the operation of public transport on its territory.

Contact: [michel.genot@stib.brussels](mailto:michel.genot@stib.brussels)  
Website: [www.stib-mivb.be](http://www.stib-mivb.be)



**Mobly** aims to make people more mobile with smart mobility solutions such as Mobly Go, a connected car application that gives drivers insights into the status of their car and provides them with access to innovative mobility services.

Contact: [info@mobly.be](mailto:info@mobly.be)  
Website: [mobly.be](http://mobly.be)



Thanks to **Modalizy** you can pay and manage all your travel expenses with one card and a mobile app.

Contact: [alain.allyn@modalizy.be](mailto:alain.allyn@modalizy.be)  
Website: [www.modalizy.be](http://www.modalizy.be)



The **NMBS/SNCB** is the national railway company of Belgium. With amongst others the S-train they provide a suburban train offer to 5 Belgian cities which includes a zone of about 30 km around each city. The S-train your shortcut in and around the city.

Contact: [luc.craps@b-rail.be](mailto:luc.craps@b-rail.be)  
Website: [www.nmbs.be](http://www.nmbs.be)



The **New Mobility Network** is an initiative of De Werkvennootschap and wants to wake up companies and support them towards future-oriented mobility.

Contact: [info@newmobilitynetwork.be](mailto:info@newmobilitynetwork.be)  
Website: [www.newmobilitynetwork.be](http://www.newmobilitynetwork.be)



**Olympus Mobility** focuses on networked mobility solutions and a seamless connection of private transport, public transport and shared vehicles.

Contact: [koen.vandeputte@olympus-mobility.com](mailto:koen.vandeputte@olympus-mobility.com)  
Website: [www.olympus-mobility.com](http://www.olympus-mobility.com)



**Optimile** develops MaaS platforms so that everyone could experience the ultimate freedom of planning, booking and paying different transportation modes through one single app.

Contact: [pieter.glorieux@optimile.eu](mailto:pieter.glorieux@optimile.eu)  
Website: [www.optimile.eu](http://www.optimile.eu)



**Poppy** is the first free floating shared mobility platform in Europe offering cars but also e-scooters and electric kick scooters in Antwerp and Brussels.

Contact: [laetitia@poppy.be](mailto:laetitia@poppy.be)  
Website: [www.poppy.be](http://www.poppy.be)



# MaaS MEET & GREET

**Scooty** is bringing electric scooter-sharing in free-float to Brussels and Antwerp. You can trace, book and ride an electric scooter, keylessly. All you need is our application.

Contact: [camille.callens@ubeeqo.com](mailto:camille.callens@ubeeqo.com)  
Website: [scootysharing.be](http://scootysharing.be)



**SHARE NOW** is the market leader and pioneer of free-floating carsharing, SHARE NOW has over four million members and is represented in 31 major cities globally with over 20,000 vehicles, of which 3,200 are electrically powered.

Contact: [julien.vandichel@share-now.com](mailto:julien.vandichel@share-now.com)  
Website: [www.share-now.com](http://www.share-now.com)



**Skipr** was founded with the goal of enabling everyone to move everywhere, through any mode of travel and any point of connection. Skipr brings harmony to the complexity and connects all modes of transport and payment.

Contact: [jens.verhiest@skipr.co](mailto:jens.verhiest@skipr.co)  
Website: [www.skipr.co](http://www.skipr.co)



Le TEC est l'Opérateur de transport en commun de Wallonie. Il transporte 158 millions de voyageurs par an grâce à 2428 véhicules (bus et métro).

Contact: [renaud.therry@tec-wl.be](mailto:renaud.therry@tec-wl.be)  
Website: [www.infotec.be](http://www.infotec.be)



**MaaS Global/Whim** combines all your journeys with public transport, taxi, car, bikes and more in one service. Simply pay as you go or enjoy the freedom of a monthly plan.

Contact: [didier.joos@maas.global](mailto:didier.joos@maas.global)  
Website: [maas.global](http://maas.global)



**Xximo**, the solution to plan, book and pay all mobility related transactions.

Contact: [c.janssen@xximo.com](mailto:c.janssen@xximo.com)  
Website: [www.xximo.com](http://www.xximo.com)



**Zero mobility** Hub-based scooter sharing

Contact: [wouter@gzero.eco](mailto:wouter@gzero.eco)  
Website: [gzero.eco](http://gzero.eco)



# OUTDOOR DEMO

Discover and enjoy Belgium's first dedicated shared and autonomous mobility provider, named USH.

USH, which is one of the start-ups of Lab Box, provides all services you need to realise an autonomous vehicle project today:

- Leasing of autonomous shuttles from different manufacturers
- Site inspection and mapping, deployment of vehicles
- Full maintenance of vehicles and software management
- Training and certification of operators
- Operations of shuttle (safety driver, supervision)



Experience the USH shuttle today! You will find it in front of the Bluepoint Building. Find out more about USH at the Lab Box stand and listen to USH's compelling story in workshop 6 (14-15h).

## References:

- STIB-MIVB: pilot project on various sites (Woluwe park, Solvay Brussels campus, hospital campus)
- VUB (Mobi - SMIT): research project on the Brussels Health Campus (Jette)

## Contact:

Dario Deserranno, USH  
+32 474 878 578  
[dario@ush.be](mailto:dario@ush.be)



# OPEN BOOTH KICK SCOOTERS

In 2019, the electronic step (aka kick scooter) saw a spectacular rise. In a growing number of cities, the E-step is extremely popular and it is seen as the “ideal” mode of transport to combine with public transport and as a solution for the first and last mile.

The City of Antwerp and the Brussels-Capital Region are taking the lead, with full support by ITS.be, to work towards harmonised quality frameworks and license models to help organise the market for E-steps (and other shared mobility modes), with a strong sensitivity to the market.

## Contacts:

**Stijn Vernaillen**, City of Antwerp  
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**Martin Lefrancq**, Brussels Mobility  
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**Kurt Marquet**, ITS.be  
[km@its.be](mailto:km@its.be)

For MaaS providers, shared E-steps are also an important piece of the puzzle in their services towards companies and end-users.

At today's ITS congress you can meet some of the most forward-leaning market players. You will find them at the entrance of the Bluepoint building. You can also meet them during the MaaS Meet&Greet.

## Contacts:

Contact: [kevin.vanderweel@bird.co](mailto:kevin.vanderweel@bird.co)  
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Contact: [sylvester.spitaels@circ.com](mailto:sylvester.spitaels@circ.com)  
Website: [goflash.com](http://goflash.com)

Contact: [romain.dekeyser@li.me](mailto:romain.dekeyser@li.me)  
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Contact: [laetitia@poppy.be](mailto:laetitia@poppy.be)  
Website: [www.poppy.be](http://www.poppy.be)

Contact: [wouter@gozoero.eco](mailto:wouter@gozoero.eco)  
Website: [gozero.eco](http://gozero.eco)



CIRC



POPPY

zero

## NOTES

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# ABOUT ITS.be

## ITS

Intelligent Transport Systems (ITS) refer to the wealth of new, public and private mobility services that are enabling the transition towards sustainable mobility.

ITS services play out across all mobility domains, such as management of traffic (including active modes such as walking & cycling), collective transport and shared mobility, automotive developments, parking, police and emergency services, leasing-insurance-assistance services, taxation ... and more.

Linking these services helps us move towards Mobility as a Service (MaaS) and Autonomous, Co-operative & Electrical vehicles (ACE), that reinforce each other and help us eliminate the unsustainable external effects associated with current mobility patterns.

## ITS.be

ITS.be is an independent, public-private not-for-profit association that seeks to accelerate the transition to sustainable mobility in Belgium. ITS.be aims to be a mobility network in which all stakeholders, including other associations, find a happy home. Our goal is to jointly identify, capture and pursue the overwhelming win-win's and business opportunities associated with innovating our way towards sustainable mobility. ITS.be does so via:

- **Information:** newsletters and website including our ITS solutions catalog
- **Collaboration:** 'mobilising' public-private working groups, workshops, technical visits and congresses
- **Projects:** market-enabling projects at local and EU level
- **Policy support:** support for the development and execution of ITS-related action plans at all policy levels.

The ITS.be smart mobility community represents a critical mass of forward-leaning public and private stakeholders, including the key federal, regional and urban authorities, new and existing mobility operators, service providers, technology and solution providers, telecom operators and map makers, as well as academic and research institutions.

Read more about our 4 priority domains in the **ITS 'green booklet'** via our website or pick up your own printed copy at the reception desk:

### Multimodality

- Mobility-as-a-Service (MaaS)
- Multimodal Mobility Management (MMM)

### Automotive

- Autonomous, Co-operative & Electrical vehicles (ACE)
- Road User Charging (RUC).



## Why join

If you want to help build the market for new mobility services in Belgium and have an interest and capacity to work across sectors and domains you should consider to join. To see our impressive and rapidly growing list of partners and how to join, please go to [www.its.be](http://www.its.be).

We hope you will enjoy the congress - please already mark your agenda for next year's special edition:

**ITS.be 2020 Congress - Thursday 24 September 2020**





# EVALUATION FORM

## Please give us your feedback on the ITS.be Congress 2019

Please tear out this page and deliver it at the reception at the end of the day.

### 1. ORGANIZATION

	Very good	Good	Medium	Bad	Very bad
Venue & location	<input type="checkbox"/>				
Foods & Drinks	<input type="checkbox"/>				
Documentation	<input type="checkbox"/>				
ITS Awards	<input type="checkbox"/>				

Comments:

### 2. CONTENT

	Very good	Good	Medium	Bad	Very bad
Program & topics	<input type="checkbox"/>				
Content of speeches	<input type="checkbox"/>				
Quality of speeches	<input type="checkbox"/>				

Comments:

### 3. EXHIBITION

	Very good	Good	Medium	Bad	Very bad
Number & selection	<input type="checkbox"/>				
Location	<input type="checkbox"/>				
Quality & content	<input type="checkbox"/>				

Comments:

### 4. YOUR FEEDBACK

Which topics would you like to see discussed next year?

Which technologies would you like to see demonstrated next year?

If you wish to be contacted for an ITS.be membership, please leave your contact details in the box below

Will you come back next year?  Yes  No

THANK YOU!



