

SMART CITY EXPO

14-16 November 2017

Barcelona, Spain

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The Agence du Numérique (AdN) is a limited liability company under public law, set up at the initiative of the Walloon Government to contribute to the definition, implementation and monitoring of the Walloon public policies on digital information. The AdN is a subsidiary of the Agence pour l'Entreprise & l'Innovation (AEI).

Open, innovative and independent, AdN is a catalyst for the digital transformation of the region, a center of expertise and trusted advisor of the Walloon Government and Wallonia.

AdN is responsible for implementing the digital strategy for Wallonia: Digital Wallonia.5

DIGITAL WALLONIA

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Contact: Pascal BUTERA

The ICT platform for Wallonia.

Located at the heart of the ecosystem of initiatives and ICT stakeholders in Wallonia, Digital Wallonia is their place of convergence, expression and support.

Digital Wallonia is a true Hub, offering layers of customizable services activated on demand, in an open and participative model:

- Dynamic mapping of the ICT ecosystem. ICT profiles (companies, actors, innovative users), products

and services, technology clusters, digital communities, ...

- Vision & digital uses. Plan for the digital by the Walloon Government. Technological, legal and economic watch, content and white books, barometer and ICT indicators, ...

- Services and Support. Online (data, API, calendar, ...) and physical, for the partners and all the

stakeholders of the ICT ecosystem (schools, public services, companies, ...), according to the needs.

- Open Data. Hub for the Walloon Open Data, services for the public actors for the management

and open data, ...

Digital Wallonia is powered by the Agence du Numérique (AdN), subsidiary of the Agence pour l'Enterprise et l'Innovation (AEI).

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COMPANY BACKGROUND

BHC is an IT Services company based in Mons (Wallonia - Belgium - Europe). Our wide range of ICT products and services aims to fit all professional needs including network setup support and maintenance, business applications, custom development, ERP integration and mobile technologies.

ADDED VALUE

N°1 Odoo Partner in Belgium, we do offer the possibility to work with an existing software that can be adapted and customized to meet your business requirements. The software can also be available on mobile devices in order to allow mobile staff (salesmen, technical staff,...) to access their to do, tasks,... while they are on the way.

With extensive experience in implementing the Odoo software for a wide range of customers, BHC has developed a specific suite of products for smart city governance.

RANGE OF PRODUCTS

Smart Governance solution: an innovative suite of integrated applications for public administrations. The solution is based on the Odoo ERP, which has been adapted and extended to fit the needs of public administration.

The solution includes the following features:

- Human resources management
- Budgetary accounting

- General accounting
- Public buildings management
- Road occupancy management
- Site intervention management
- Cemeteries management
- Assemblies management
- Public procurement
- Grants management
- Public website
- Citizens portal
- Citizens mobile app
- Administration staff mobile app
- IoT integration
- “Itsme” secured authentication

MAIN REFERENCES

WWF, Air Liquide, Securitas, Sodexo, SparkMicroGrants, Salon EDUCATION, City Of Quaregnon, City of Charleroi, City of Liège, HEC Ecole de Gestion Liège, BX1 Bruxelles Télévision, Proximus, Yvolution.

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COMPANY BACKGROUND

Cenaero is an applied research center providing to companies involved in a technology innovation process numerical simulation methods and tools to invent and design more competitive products. Cenaero is mainly active in the aerospace (in particular turbomachinery), process engineering, energy and building sectors. Cenaero operates a supercomputing infrastructure with 14,000 computing cores and experimental facilities in composite manufacturing and prototyping.

ADDED VALUE

Cenaero's researchers provide expertise in multidisciplinary simulation, design and optimization in the fields of mechanics (fluid, structure, thermal and acoustics), manufacturing of metallic and composite structures as well as in analysis of in-service behavior of complex systems and life prediction.

RANGE OF PRODUCTS

Cenaero provides engineering services in multidisciplinary simulation, design and optimization as well as software through its massively parallel multi-physics platform Argo and its design space exploration and optimization platform Minamo.

MAIN REFERENCES

Cenaero is a research partner of Safran since 2007.

CERTIFICATION(S)

Cenaero is certified against the EN 9100:2009 and ISO 9001:2008 standards.

DAPESCO

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COMPANY BACKGROUND

DAPESCO was founded in 2002 and provides both Energy Management Services and Energy Monitoring Software.

The software solution, called JOOL, is a cloud-based Energy Monitoring and Information System. It collects information from multiple sources (meters, invoices, contracts etc), from multiple sites (including international customers) and serve multiple user profiles, such as technical and maintenance people, finance director or environmental consultants.

ADDED VALUE

Specifically designed for multiple site companies and groups of public actors (Communes, Cities...), JOOL allows to manage hundreds of buildings, with specific energy contracts, meters etc and provides benchmarking and Artificial Intelligence capabilities to determine Energy Saving Measure.

RANGE OF PRODUCTS

JOOL; Energy Monitoring Software

MAIN REFERENCES

City of Brussels, about 150 cities in Belgium, Cofely and Vinci in France, Casino and Auchan, airports, hospitals...

CERTIFICATION

IPMVP

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COMPANY BACKGROUND

Letsgocity has been created in October 2015 by Gilles de Stexhe and Pierre Labalue. We have been incubated by LeanSquare and VentureLab, the incubator of University of Liège. At the end of 2015, we did our first fundraising with two investors. In September 2016, after several months of analysis and development, we launched our product in Wallonia and moved into our own offices located in Liège.

ADDED VALUE

Letsgocity is the missing link between the local solutions (micro-services & local informations) of a region and the final user, the citizen. It represents an enormous amount of data created and distributed by local authorities and third party companies and institutes. We integrate local solutions to present a smart web & Cell Phone front-end to the citizen and ease the citizens life.

RANGE OF PRODUCTS

Letsgocity is the smart citizen companion. We distribute our tool as a website and a Cell Phone application that runs on iOS and Android. The citizen selects its favourite cities of Wallonia and then connects to its preferred micro-services and local informations so that Letsgocity gives to the citizens the informations they want when they want it.

MAIN REFERENCES

LetsGO City SPRL has partnered with three important companies of the Walloon ecosystem. Editions de l'Avenir, Commissariat Général au Tourisme and NRB Group.

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COMPANY BACKGROUND

Founded in 1999 by the Faculty of Engineering of the University of Mons and the Catholic University of Louvain, Multitel is a research center recognized by the Walloon Region. The main objective is to develop and support companies in their process of innovation in: Applied photonics, Network Engineering, Signal & Embedded Systems, Computer Vision, Railway Certification, and Smart Technologies.

ADDED VALUE

Recognized as a centre of excellence at the international level, Multitel develops and integrates emerging technologies in the industrial sector. Thanks to its diversified expertise fields, Multitel helps companies in their technological innovation projects, in the exploratory phase, the feasibility and the development.

RANGE OF PRODUCTS

IoT, Built-in intelligence, Embedded systems, Wireless Sensor Network, Intelligent Video Surveillance, ...

Some examples of ongoing projects:

- Smart Parking: availability of parking slots based on CCTV cameras and LoRa communication;
- Waste Management: LoRa sensor and optimization software for collection service providers.

MAIN REFERENCES

R&D projects and long-term partnership with 500+ Corporates, SME and start-ups.

www.walecities.eu

www.multitel.be/smartcities

CERTIFICATION

ISO 9001 and our Railway Certification department is ISO/CEI 17025.

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SKYLANE
OPTICS®
ANTICIPATE

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COMPANY BACKGROUND

Skylane Optics is a leading provider of transceivers for optical communication. We offer an extensive portfolio for the enterprise, access, and metropolitan fiber optical market as well as for Smarthome applications and home networks.

We cover the European and South American market with a strong partner network and have offices in Belgium, Brazil, Sweden.

ADDED VALUE

Thanks to fiber, we are able to offer a solution for your broadband communication network. Indeed, with our many years of experience in the field of data transport outside the home, we are now able to support the need for broadband in homes, buildings and cities.

We have our research and development center in Belgium, we are the editors of the standard smartcities of Etsi.

RANGE OF PRODUCTS

Skylane Optics supplies a new range of product that allows you to install a 1 Gbits network inside your house.

MAIN REFERENCES

free, Orange, SFR, Proximus , TeleSoniera, Tele2, Telia,...

CERTIFICATION

Skylane Optics transceivers are certified by TUV, CE, ROHS.

SMART CITY INSTITUTE

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COMPANY BACKGROUND

Created in January 2015, the Smart City Institute is an academic institute dedicated to the thematic of smart cities. It was founded by an original partnership between:

- three private companies (Belfius, Proximus, Schröder et Strategy& (PwC)),
- a University and its Management School (HEC Liège),
- and Wallonia.

ADDED VALUE

The mission of the Smart City Institute is to “contribute to the general development of smart cities by training future managers, developing research, entrepreneurship and innovation as well as facilitating sustainable value creation between actors of smart ecosystems thanks to networking and thanks to an access to multidisciplinary skills and to the most innovative technologies”.

RANGE OF PRODUCTS

To tackle its mission, the Smart City Institute has developed three complementary activities:

- research,
- teaching and
- entrepreneurship.

The latter are supported by transversal activities of awareness.

From its beginning, a real national and international perspective has been given to the activities led by the Smart City Institute.

SMART CITY VIRTUAL EXPO (by ExpoPolis)

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SMART CITY VIRTUAL EXPO

The international Smart City Portal with a virtual Expo and a Network Community

The Smart City Virtual Expo puts decision-makers from Cities and Administrations in touch with major Urban Infrastructure Suppliers.

WORLD SMART COMMUNITY

Unique Meet & Exchange place for exhibitors & visitors

Exchange about innovative concepts and current technologies for sustainable, safe and smart urban development.

The only place where Visitors can also network with Visitors !

The idea for the virtual expo came from the explosive growth of the smart city community. As more cities around the globe introduce smart city tech, and more conferences are developed to connect the individuals involved in this movement, it becomes cost prohibitive and too time consuming for city officials to attend every event.

www.SmartCityVirtualExpo.com is organised by ExpoPolis :

COMPANY BACKGROUND

The ExpoPolis solution is a modular and integrated system to meet all the organizational needs of virtual fairs and events.

As a forerunner in this field and having extensive experience, ExpoPolis has developed a software for the organization of a temporary or permanent event, specific to each industry.

ADDED VALUE

Experience based solution.

Flexible customization possibilities.

More than 2500 companies already participated at a fair using the ExpoPolis software.

4 languages (UK,FR,D,NL) - possibility to add more languages.

Unique solution due to an expanded backoffice.

SMARTNODES

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Smartnodes
SMART CITIES THROUGH SMART LIGHTING

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COMPANY BACKGROUND

SmartNodes is a technology company specialised in the development and sale of innovative dynamic outdoor lighting and public spaces solutions.

ADDED VALUE

Smartnodes solutions optimise the management of public lighting network and pave the way for Smart Cities. By offering public lighting "on demand" (i.e. only in the presence of road users), Smartnodes can achieve up to 80% energy savings while guaranteeing visual comfort and user safety.

For better mobility and safety management, scalable technology allows, among other things, the measurement of traffic density, user speeds or control of traffic signs. Thanks to Smartnodes solutions and the integration of environmental, acoustic and parking sensors, the public lighting network in today's cities becomes the driving force behind tomorrow's Smart City networks.

RANGE OF PRODUCTS

SLN-G3-R1-SPxx node devices
SLP-G3-R1-xW-x power unit devices
APS-G2-x gateway devices

MAIN REFERENCES

Example of a SmartNodes installation in a residential area (400 houses and 250 luminaries) in Wavre (Belgium): <http://www.smartnodes.be/video/WavreEG.mp4> (Belgium Belfius Smart City Award 2017).

CERTIFICATION

CE (EN55015, EN300328, EN60950, RoHS), IK08, IP67, EN13201

THINGSPLAY

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COMPANY BACKGROUND

Thingsplay is a start-up company created in July 2014 with the aim to make agile and innovative technological tools available to industries in the context of the Internet of Things. After a few years in research and development, Thingsplay has developed technological solutions and a connected devices computer management platform. This platform integrates an Asset Management Solution for IOT.

ADDED VALUE

Industry has for a long time been using traditional data gathering systems. Solutions were developed with the goal of providing tools to control and automatically pilot production lines. We offer non-invasive, non-intrusive, low-cost solutions which are superimposed on existing solutions to take measurements directly on production lines and devices with an MQTT/MODBUS gateway.

RANGE OF PRODUCTS

Thingsplay provide 4 products:

- a) An asset management platform with realtime database
- b) A MODBUS-M-BUS to MQTT industry gateway
- c) An air quality controller
- d) A Track&Trace device

MAIN REFERENCES

Thingsplay is working for different industries in Europe like Stuv, Airria, HexagoneR. We are providing for those clients a full set of data solutions through Wifi, GSM, Sigfox connections.

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COMPANY BACKGROUND

WR Citizens is made of virtual reality specialists, web developers and designers. It was born on an idea to provide solution to architects and cities on projects to be evaluated by citizens. The project of the group won the first place at the Hackathon citizens of Wallonia in Mons (Belgium), now transforming in startup.

ADDED VALUE

Answers the needs of architects, urbanists, cities and real estate project managers

3D visualization of architecture

Real time

Online, web based solution

Intuitive navigation

Qualified votes and comments by users

RANGE OF PRODUCTS

Web-based VR solution for evaluation and vote of architectural/city projects by citizens for architects, urban planners, real estate companies and cities administrations.

MAIN REFERENCES

1st place Hackathon Citizens of Wallonia (Belgium)