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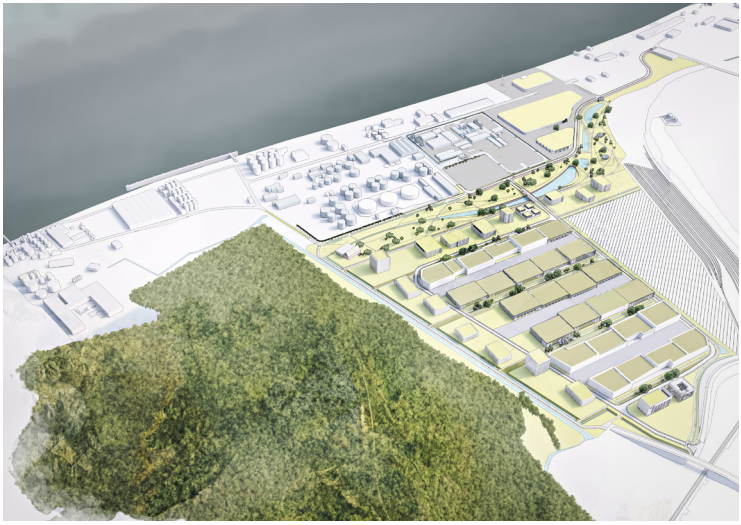
Smart mobility hub: how to connect Blue Gate Antwerp with the city

Save the date:
20 November 2019 | Brussels, Belgium

Blue Gate Antwerp (BGA) is the climate neutral business park reserved for innovative companies with a well-defined ambition: linear growth through circular operations.

Together with like-minded businesses they will activate circular flows at the micro and macro levels. This delivers cost efficient collaborations both on and off site. Businesses located on the park are committed to the eco-effective industry, in which they will produce the same qualitative end product while reducing the use of raw materials.
The site is located just next to Antwerp and it holds unique opportunities in terms of logistics and accessibility. The park can be reached by water, public transport and the road network.
It is BGA's ambition to develop a mobility hub on the site, that supports an evolution to fossil free and shared mobility services for the site as well as towards the city. This entails sustainable and shared logistics between the companies, thereby reducing empty shipments, optimizing routes and creating central loading and parking spaces. The shared logistics will be used for on-site transports, as well as towards the city.
Additionally, shared vehicles can be used on site and in the city, not only by the companies but also by Antwerp residents and tourists. The flexible mobility hub on BGA will continually seek synergies between its available infrastructure and future mobility needs in the city of Antwerp. The central parking site for privately owned vehicles, might for example evolve to a night-time loading and parking bay for shared autonomous vehicles, thus alleviating parking problems in the city.



Innovation challenges: what is Blue Gate Antwerp looking for?

Sustainable fossil free mobility

- Infrastructure requirements for new alternative fuels (electrical, hydrogen, methanol, ...)
  - Connected grid for fuel distribution for several users (use and produce), loading point and storage solutions
  - Infrastructure needed for own fuel generation
  - Safety solutions (e.g. fire safety)
  - Future proof: flexible, circular construction methods for mobility infrastructure
- Fossil free fuelled vehicles
  - Logistics: trucks, forklifts, tow trucks (for own maintenance), transport drones
  - Cars
- Solutions to upgrade the mobility hub to autonomous transport

Organising mobility hub

- App or platform for company owners
  - Sharing information to identify synergies and optimising routes
  - Stimulating synergies between companies, some examples
    - 3 companies loading 1 truck for transport to the city
    - On-site exchanges by loading and unloading in the same transport
- App or platform for city of Antwerp
  - Sharing information to inform/help travellers
  - Reserving/calling a car (in optimised routes)
- Organising autonomous transports in future
- Construction: how to make buildings and infrastructure on BGA adaptable for future changes in mobility?

Do you have a solution that could contribute to sustainable fossil free mobility solutions?

REGISTER HERE for our Living Lab Event with inspiring presentations focusing on sustainable mobility solutions, keynote speakers and matchmaking opportunities. Registration will be up until and including the **1st of November**.
Suppliers will be informed on their selection on the **6th of November** at the latest. Selected suppliers will partake in one-to-one meetings with key decision makers from the Living Lab Owner Blue Gate Antwerp and its partners. On top of that suppliers will have the opportunity to pitch their solution on stage for all attendees.

The living lab event will be organized during G-STIC 2019, the Global Sustainable Technology & Innovation Conference at Brussels Expo. Four years after the launch of Agenda 2030 and its associated Sustainable Development Goals (SDGs) by the United Nations, there is a consensus among experts that progress is lacking. This is a clear sign. Achieving the SDGs with business-as-usual is just not possible. G-STIC aims to accelerate the transition to a wide-scale deployment of market-ready integrated technological solutions that can have a big impact on the achievement of the SDGs. Bearing this goal in mind, technological clusters that contribute to 6 societal challenges will be identified. These 6 challenges are: safe climate for all, education for all, energy for all, health for all, sustainable ocean resources and water for all. In addition, also 5 cross-cutting themes of crucial importance to the societal challenges will be addressed: circular economy, geospatial data, ICT as enabling technology, gender mainstreaming and youth engagement. This identification process will result in a living library of breakthrough transformative technologies across sectors, illustrated with best practices and inspiring examples. Captains of industry can use this library for exploring new business opportunities.
Suppliers present at the living lab have the opportunity to partake for free in the late afternoon plenary session Living the Change and the networking reception of G-STIC on the 20th of November in the evening. An ideal opportunity to connect with an international audience (> 1000 people) coming from all over the world and involved in achieving SDGs on a daily basis.

We will provide **pitch training** for you in preparation for the on-stage pitch, which will help you improve your ability to present your idea.

All questions can be e-mailed to **stefanie.desmet@cleantechflanders.com**

Challenge owner

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