



Call for proposals Amsterdam self-guided innovation tour

Background

The City of Amsterdam's Chief Technology Office (CTO) and Amsterdam Smart City (ASC) receive numerous requests from international delegations interested in Amsterdam's urban innovations and smart city projects. Delegations consist primarily of civil servants and private sector professionals but we also get requests from researchers, journalists, students and other "innovation tourists".

In the face of rising demand, we have decided to scale our impact by providing a self-guided tour that will facilitate knowledge transfer. The tour will be launched during We Make The City Festival (20-24 June 2018).

ASC will provide content for the tour (see Annex 1) but we are seeking a technology partner to help us communicate in an innovative and effective way.

Main criteria for selection:

- The solution will help ASC communicate on ~10 different innovation topics;
- The solution works with Android and iOS devices;
- The solution will help users navigate from point to point;
- The solution works offline;
- The solution leverages innovative infrastructure (e.g., beacons or JC Decaux digital marketing screens) and/or AR capabilities.

NB: Developing a new app is not feasible due to ASC's limited budget and timeline. Therefore, we suggest leveraging existing technology.

Deadline: Your prototype is available for testing by 4 June and finalized by 21 June

Budget: Your total cost of delivery and support is less than €13,000

If you are interested in this project, then please email a one page proposal to cornelia@amsterdamsmartcity.com by 18:00 Friday, 4 May. Please include the following information in your proposal:

- Description of your solution and how it meets our needs
- Deliverables timeline and budget

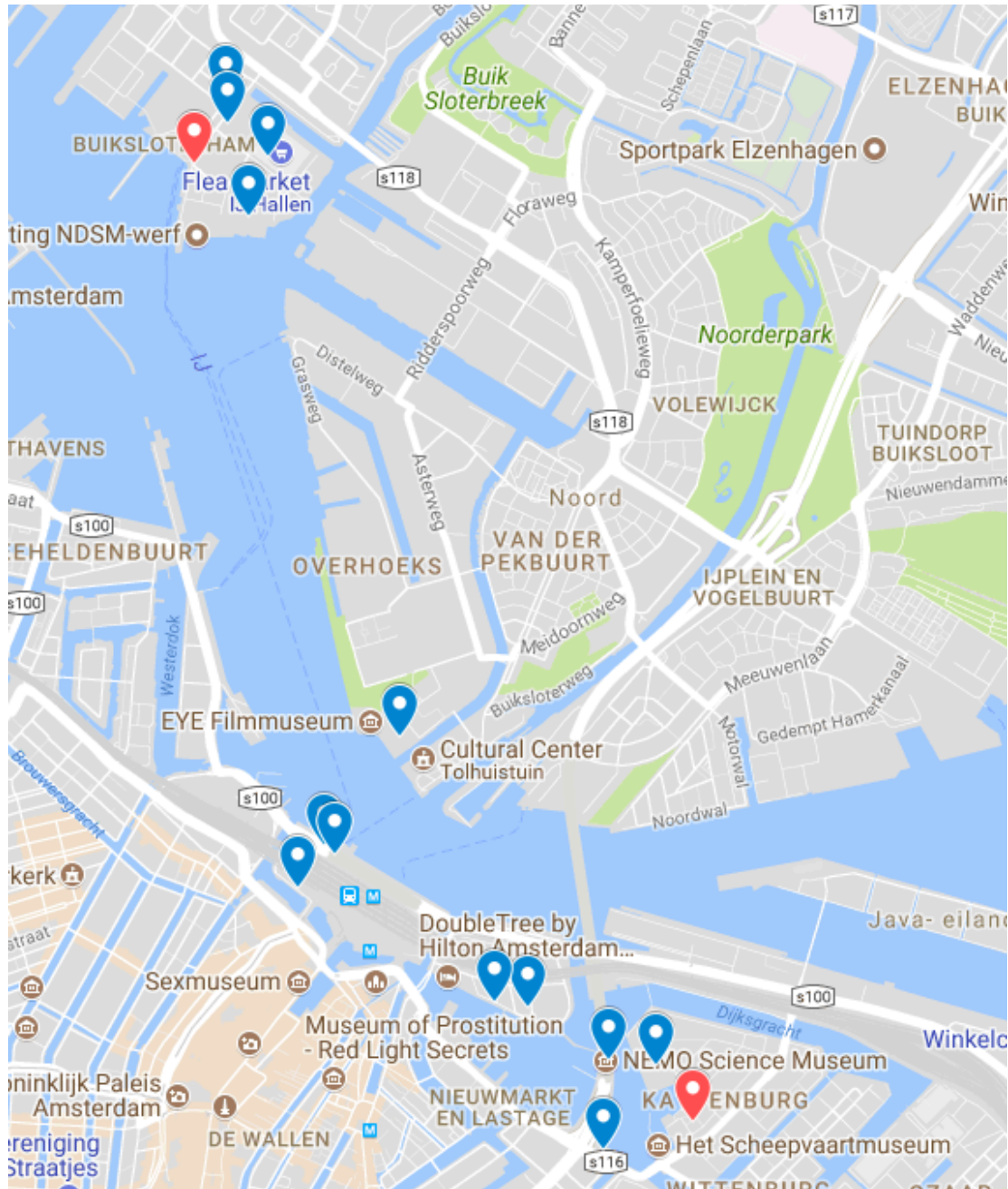
If you have any questions, then please post them in the comments section below or email cornelia@amsterdamsmartcity.com

Interviews for short listed candidates will be held during the week of 7 May and a decision will be announced by 11 May.

Annex 1: Tour route and topics

Tour theme: Seeing the unseen - What makes Amsterdam an innovative city?

Route: The tour route will be finalized the week of April 30. Most likely the route will take participants from Marineterrein to the We Make The City festival grounds at NDSM-werf.



Introduction: Amsterdam is known for personal freedom, entrepreneurial spirit, political engagement, technological innovation and social inclusion. This self-guided tour will showcase Amsterdam's innovative approaches and projects. Some are hard to find, others are right in front of you, but in the next 90 minutes you will gain an understanding of what makes Amsterdam a future-proof city.

Possible stops / topics (content will be finalized 14 May)

1. **3D Printed Bridge (stakeholder: Mx3d):** With more than 1,200 bridges, Amsterdam is sometimes referred to as “Venice of the North”. In 2019 Amsterdam will install the world’s first 3D-printed steel bridge, designed and completed by local startup Mx3d. The bridge is currently being tested in Amsterdam North and will be installed in the Red Light District. The bridge will use smart sensors to monitor its structural integrity, local air quality and other values of interest.
2. **Roboat project (stakeholder: AMS Institute):** In 2018 Amsterdam will launch the world’s first fleet of autonomous boats. These “Roboats” will test autonomous systems for transporting goods and people. Roboats have been designed to work independently or to assemble together into temporary floating platforms or bridges.
3. **Electrification of transport (stakeholder: Amsterdam Electric):** In 2009, Amsterdam introduced public charging points for electric cars to improve air quality and attract investments in electric driving. After the pilot reached 100 charging points, the city used its experience to launch a 2011 tender for 1,000 new charging points. By 2016, Amsterdam had over 2,000 charging stations, the highest density for any city worldwide. The city is now experimenting with using the charging points to achieve other sustainability targets such as storing excess renewable energy.
4. **Digital parking (stakeholder: CTO):** Amsterdam’s digitalized parking management system uses a fleet of 13 “scanning cars” to check that cars are registered and parking paid for. This smart system collects approximately €160 million in parking fees annually. The city is currently investigating options for improving this system by taking control over data that is according to the current contract the property of a private vendor. Control will allow the city to do more with data collected from its streets.
5. **Amsterdam Rainproof (stakeholder: Waternet):** Climate change means more rain and thus additional pressure on the city’s sewage system. It would be too expensive to increase capacity, so the city is designing outdoor spaces to retain (and later discharge) rainwater in a smarter way. Central Station’s new roof, for example, discharges rainwater directly into the IJ, reducing pressure on sewers. This and other solutions, products and initiatives can be found on the city’s “Rainproof” platform.
6. **Public lighting (stakeholder: CTO / R&D):** In Amsterdam, public spaces are used to test innovative lighting solutions that can make the built environment more attractive, safer and energy efficient.