



Invitation to Seminar and Networking Reception

3D Modelling & Simulation of Smart Nations

Opportunities for Collaboration between Singapore and the Netherlands

Date:	Tuesday 7 July 2015
Time:	2:00 pm – 6:00 pm
Venue:	Maxwell Chambers Henderson Room 307, Level 3 32 Maxwell Road, Singapore 069115

Synopsis

Singapore is a small city-state with a technology driven economy. The nation was one of the first countries to recognize the opportunities on using wireless and connected devices. Currently, the use of mobile devices in Singapore is one of the highest in the world, as is the estimated technology readiness of the country. Singapore announced in 2014 that it will be the world's first Smart Nation. The Smart Nation initiative aims to make its economy and society ready for the future. Singapore explores new ways of generating data through the use of sensors for an interactive city-scape. The Virtual Nation 3D model is one of such projects linking the evolving society to be more pro-active and making smart decisions.

The Netherlands has a long history of spatial planning, which dates back to the 19th century. In 2008, the Dutch government launched a national collaboration, which incited the development of a nationwide 3D model. This is done by linking all available 3D models. The 3D- initiative is an ongoing collaboration between government, research institutes and companies. Future development and application of this 3D- initiative aims to transform the nationwide planning system making it more resilient and ready for future implications.

Both Singapore and the Netherlands are challenged by a limited availability of land, and trends such as an urbanizing and ageing society. In addition, both countries are at the top of technological advanced countries, often listed within the top-5 of technological world rankings. Designing a virtual model, integrating different types of knowledge and data, using technological expertise widely available in both countries, enhances the resilience for future scenarios.

This seminar brings parties from the industry, government and universities together for dialogue and discussion on the use of a national 3D model. The questions to explore include but not limited to: **What is the current state of research? What is the future outlook of using a virtual model for urban design, planning and policy making? How can we make cities smarter and more resilient through the use of data?**

Inspiring and innovative lectures will be given by governmental agencies, research institutes and companies (see overleaf for programme).

Register your interest by replying to invitation email (3D@nost.org.sg) by **June 30, 2015**.

Organised by:
The Embassy of the Kingdom of the Netherlands
Innovation Team: Susan van Boxtel, Sean Tan, Anne Marie Schrijver

Networking Reception sponsored by:
Kipp & Zonen Asia Pacific Pte Ltd

Time	Programme	Speaker	Organization
<u>2:00 - 2:30</u>	<u>Walk-in registration</u>		
	Opening address - NL Smart Cities	Noud Hooyman	Dutch Ministry of Infrastructure & the Environment
	Designing the Virtual Singapore	George Loh	National Research Foundation
	NL National Framework of Geo-standards	Rob van de Velde	Geonovum
	GIS tool for (underground) space design	Theo Salet	TU Eindhoven
	3D Solutions for Smart Cities	Yeow Shin We	G-Element
<u>3:30 - 4:00</u>	<u>Coffee break</u>		
	Working together successfully in 3D with the DPT-methodology	Rick Klooster	Future Insight
	Spatial Data Infrastructure	Jantien Stoter	TU Delft / Kadaster
	Sense & Sense-ability and linked data for interoperability	Lin Shaowei	A*STAR
	Smart Geospatial Solutions	Brian Spier	Fugro Geospatial
	3D GIS and its impact on future applications and services	Bert Scholten	Geodan
<u>5:00 - 6:00</u>	<u>Networking Reception</u>		



Kingdom of the Netherlands

