



The ESA Business Incubation Centre (BIC) Flanders in Belgium was founded in 2012 and is managed by Innotek, the knowledge centre for innovation and technology in the Province of Antwerp. Collaborating with local partners, the scientific expertise of these institutions complement the start-ups' technical development in the fields of electronics, nanotechnology, telecommunications, navigation systems, nuclear science, bio-engineering, radiology, life science, and Earth observation. ESA BIC Flanders start-ups are hosted at Innotek's two technology houses, one in Geel and the other one in Mol, with offices and laboratory space for entrepreneurs.

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## Spacepal

**Sewermapper : the best sewer inspection & inventory tool.**

Website

**Founded in 2015 by**

- **Koen Beyers**
- **Bram Plancke**

**Incubation period**

01-02-2016 to 31-08-2017



space solutions

## About Spacepal

The Sewermapper can scan, parametrize and map a complete manhole and sewer up to 3 times faster than a manual inventory. Results are also more accurate and complete.

Sewermapper can precisely determine the location and orientation of a sewer. Every manhole can thus be linked to an entire 3D network. There is no need for a worker to go down the manhole. This means dangers of falling, drowning and suffocation are almost non-existent.

## Contact info

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## The challenge

Replacing the time-consuming, often dangerous manual job of sewer inspection and mapping with a faster, more accurate, more safe and more economic automated

procedure.

## **The solution**

### **SAFER**

Thanks to the SewerMapper, there is no need for a worker to go down the manhole anymore. This means dangers of falling, drowning and suffocation are almost nonexistent.

### **FASTER**

The SewerMapper can scan, parametrize and map a complete manhole and sewer up to 3 times faster than a manual inventory. Results are also more accurate and complete!

### **GEOTAGGING**

Using ESA's expertise and satellites, the SewerMapper can precisely determine the location and orientation of a sewer. Every manhole can thus be linked to an entire 3D sewer network!

### **AUTOMATED**

No more manual measurements and computer inputs! The SewerMapper is an exhaustive tool that only has to be placed above a manhole; measurements, parametrization & upload are easy-as-pie

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