ESA Business Incubation Centre in Noordwijk, The Netherlands, was opened in 2004 and is managed by SBIC Noordwijk B.V. The centre offers business start-up support as well as technical expertise in most areas of space technology and know-how. Located at the Space Business Park near to ESTEC, the largest ESA site and the scientific and technical heart of ESA, ESA BIC Noordwijk promotes the exchange of knowledge between advanced technology and space activities, as well as the exchange of technology and expertise between space programmes and terrestrial applications.

Owl Tech

Making a step to a better world by making state of the Magnetic Levitation Technologies affordable.

Website

Founded in 2013 by

- **Hernando Sanchez Faddeev**

Incubation period

01-08-2013 to 01-08-2015

Alumni

About Owl Tech

Our vision is that 3D printing will transform the today manufacturing. Therefore our mission is to advance the field of rapid manufacturing by developing a 3D printer that will offer the high reliability, low power consumption, high precision and high speed . In order to achieve our mission Owl Tech had joined the ESA-BIC Noordwijk business incubation program. With the help of European Space Agency experts Owl Tech will soon deliver truly revolutionary 3D printer.

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The challenge

Currently most of the robotics equipment used for production of goods is based on the out-dated stepper-motor technology. Stepper motors are preferred due to complexity and price of state of the art Magnetic Positioning counter-parts. At Owl Tech we intent to disrupt the conventional thinking behind stepper motor based solutions and introduce affordable Magnetic Positioning system.

The solution

In the case of 3D printers Magnetic Levitation allows more accurate, speedy, and maintenance free positioning which outperforms its mechanical counterparts. By designing Maglev solution specifically for 3D printing applications we intent to disrupt the market of 3D printing.

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