



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.

SkyfloX B.V.

Constellations Revisited



Website

Founded in 2016 by

- **Dr. Emmanuel Rammos**

Incubation period

01-02-2016 to 01-02-2018



About SkyfloX B.V.

SkyfloX proposes the use of an alternative platform concept for Smallsat-like Payloads, ORCA, forming constellations.

This concept has been proposed to address issues such as launch costs, debris, environmental impact, coverage and lifetime of Smallsat constellations.

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The challenge

Most communications and earth observation applications are realized through satellite platforms. In recent years developments in this field came in the form of smallsat

constellations.

There, however, exist various drawbacks to the use of this type of platform, hampering the wider commercial deployment of Smallsat constellations.

The launch costs are relatively high, the lifetime of the satellites is relatively short and requires replenishment, and then there is the issue of space debris.

The solution

The ORCA concept/alternative platform concept will enhance the service offering of communications/earth observation applications, and will accelerate commercial deployment of Smallsat constellations
