



The ESA Business Incubation Centre (BIC) Wallonie Redu, Belgium, was founded in 2012, and located in the futuristic Galaxia business park in Transinne, only 4 km away from ESA's Redu Centre. The new Belgian incubation centre is dedicated to space applications, and is managed by WSLlux. As a natural consequence of the variety of satellites operated by ESA from Redu, ESA BIC Wallonie Redu is aimed at companies specialized in telecommunications, Earth observation, navigation systems as well as integrated applications. The business incubation centre stands as an avant-garde platform for start-ups with its directly link by a set of high-performance optical fibers to ESA Redu Centre. This unique link provides fresh data collected from satellites for immediate processing and analysis. Furthermore, companies hosted at ESA BIC Wallonie Redu have the exclusive privilege of having access to send commands to satellites which drastically can improve their development and business.

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## **ESNAH**

**ESNAH is a young dynamic Belgian company active in air navigation safety for general aviation.**

# **ESNAH**

Website

## **Founded in 2012 by**

- **Nicolas Hanse**
- **Aurélie Simon**

## **Incubation period**

01-06-2012 to 31-05-2014



space solutions

Alumni

## **About ESNAH**

SkyLiberty is a new service based on a software product, which aims to improve the preparation and the performance of flight navigations. It offers a full set of new concepts and services for pilots and aircraft operators. The objectives of SkyLiberty are to develop, qualify and validate an end-to-end service centred around an aeronautical software application with a focus on flight safety and reduction of fuel consumption.

## **Contact info**

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## The challenge

The preparation of a flight navigation is often quite long and difficult for pilots who have to find out all relevant information in order to perform a safe and efficient flight. The various information required to prepare and select the best flight route includes airspace status and activation, meteorological context, topography to name a few. Pilots will then confront these data to their type of license, experience and qualifications. Obviously, such a work is of course more complicated for low experienced private pilots than for confirmed professional pilots. Pilots therefore need:

- An intuitive and easy but reliable access to navigation (aeronautical, geographical, meteorological and aeronautical regulations) data.
- A system compliant with all national authorities associate to airspaces where pilot may have to fly
- A real-time solution provided at an acceptable cost

To respond to this needs, ESNAH creates SkyLiberty.

## The solution

SkyLiberty relies on 2 main components: the SkyLiberty software and an electronic device named SkyLink. The application offers different services:

**For pilots**, to support the end-to-end management of flights:

Flight preparation: managt of flight license and medical certificate validity, visualisation of

Aeronautical Pub., weather, aircraft status, flight plan.

Flight execution: navigation, weather, real-time aeronautical info, fuel flow.

After the flight: logbook, aircraft flight book, aircraft statistical data, payment.

**For aircraft operators:** ESNAH provides a complete tool for aircraft fleet management and flight data analyses. The service offer operators they possibility to anticipate maintenance and share important information concerning aircraft status and operability among pilots.

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