



The ESA BIC Sud France opened in 2013 and is managed by Aerospace Valley. The center is located in three regions in the south of France (Nouvelle Aquitaine, Occitanie, PACA) , offering entrepreneurs support and technical expertise for the the creation of innovative start-ups. ESA BIC Sud France is composed of the following members providing the best support to business creators: Six support structure: ESTIA Entreprendre, Bordeaux Technowest, CEEI Théogone, Midi-Pyrénées Incubator, BIC Montpellier Méditerranée Métropole and PACA-Est Incubator Two aerospace competitiveness clusters: Aerospace Valley and Safe The French Space Agency : CNES.

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## INNOV'ATM

**Optimize Air Traffic Management! Your airport is bigger than you think!**



Website

**Founded in 2014 by**

- **Amine Karray**
  
- **Stephane Bascobert**

## Incubation period

01-01-2015 to 31-07-2016



## About INNOV'ATM

Innov'ATM develops a suite of software and services to help civil aviations, airports, airlines to optimize air traffic management with the dedicated software suite named SkyKeeper Suite® including a coupled arrival/departure manager, surface manager, 4D Live trajectory predictor, A-CDM, Parking Manager. Innov'ATM brings its expertise in software development covering ATM topics and participates to R&D activities in the frame of national and European programs.

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## The challenge

IATA and Eurocontrol studies demonstrated that air traffic will be multiplied by 2 in the US and Europe and by 3 in Asia by 2030 and that airport infrastructures are not easily extendable. Innov'ATM grew out of the need to optimize air traffic management around airports to assist civil aviations, ANSPs, airports and airlines stakeholders to reach their full capability and get the best from their existing resources, assets and infrastructure. Innov'ATM brings its expertise in ATM systems deployment to design innovative solutions taking into account the airport specific constraints. ATM optimization consists in computing with the highest level of accuracy the estimated time of arrival of aircrafts to determine the optimized sequence that enables the controller to communicate the tactical order to the pilot to respect this sequence.

## **The solution**

SkyKeeper Suite® is a modular solution, interoperable with other systems that enable controllers and airport stakeholders to manage and optimize arrival, departure and ground movements in a complex operational environment. Optimizing arrival flow will bring fuel savings for airlines, rationalize the communication between controllers and pilots and increase the airport capacity. In order to achieve this demand in accuracy, ground trajectory prediction shall model exactly the 3D path of the aircraft as performed today by the FMS onboard including aircraft turns on their trajectory.

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