

# TRACAIR: TRAjectory Course Anomaly Identifier



Connects Technology To Business....

Improving Safety of the airspace by identifying the trajectory anomalies

In NextGen era, high-precision trajectory recommendation and anomaly identification will be paramount for air traffic control and management applications. **TRACAIR** is a software tool which fuses multiple data sources to identify the trajectory anomalies by using deep autoencoder neural networks to enhance the safety in NextGen era..

## TRACAIR applications

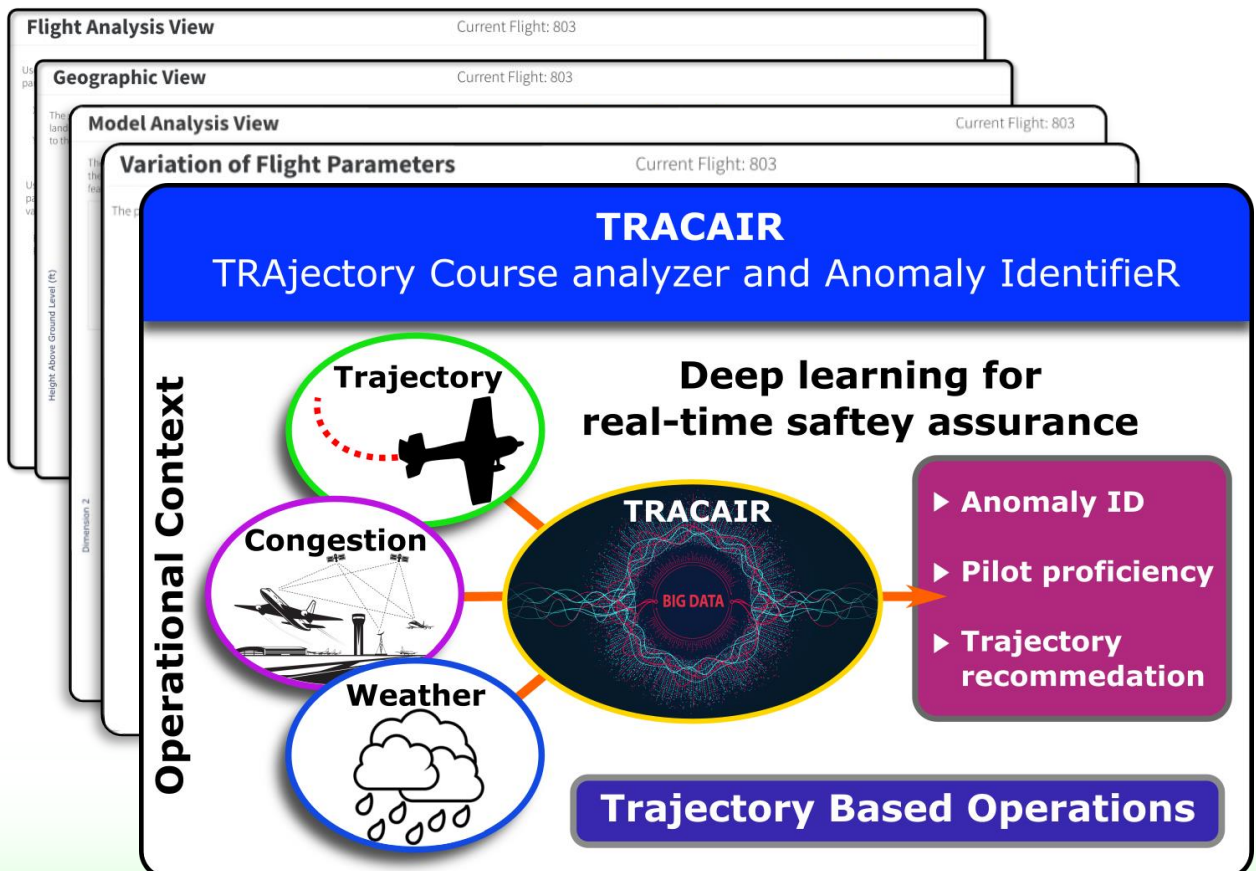
- **Trajectory identification**
- **UAS Traffic Management (UTM)**
- **Urban Air Mobility (UAM)**
- **Pilots' proficiency quantification**

## What can TRACAIR do?

- **Identify the trajectory anomalies, based on energy metrics**
- **Fusion of data from multiple sources (weather information, system level metrics related to congestion, traffic)**

## Which technologies does TRACAIR use?

- **Data curation**
- **Feature extraction**
- **HDBSCAN**
- **Deep auto encoder**



**Global Technology Connection, Inc.**

2839 Paces Ferry Rd., Suite 1160, Atlanta, GA 30339

Phone: (770) 803-3001, Fax: (770) 234-4148

Website: <http://www.globaltechinc.com>

E-mail: [mail@globaltechinc.com](mailto:mail@globaltechinc.com)