SITA Open API

The right data, at the right time, in the right format, delivered to the right subscriber

SITA Open API enables developers to build applications that improve efficiency and enhance the passenger experience. SITA provides a suite of versatile application programming interfaces (APIs) for the air transport industry. Application developers can use these APIs to create compelling applications with rich and accurate information. The information is provided through APIs available within a single portal.

BACKGROUND

Businesses are becoming increasingly digital. They are evolving into connected ecosystems that cannot run or grow as standalones anymore. APIs allow them to connect easily.

However, there are several challenges when moving toward 'API-ization':

- **Ownership and trust –** Data ownership issues limit the ability to freely access the data.
- **Data accuracy –** Data is not (or cannot be) verified before being released. As a result, multiple sources may report conflicting data.
- **Coverage and comprehensiveness –** The level of detail may vary within the dataset from any given provider.
- **Timeliness –** Data is generated in real time, but distribution can lag due to latency in transmittal.
- **Disparity –** Data sets are in different formats and are not easily compared or aggregated for subsequent analysis.

SOLUTION

Deployed via developer.aero, SITA's API platform, our APIs are powerful reusable components. They can be used to deliver an integrated array of data, rich content and alert notifications.

SITA Open API provides the data you need through APIs available in a single portal. This simplifies the creation of applications and enables developers to concentrate on the user experience. This saves them the time of dealing with technical differences between many different data sources.

The APIs can be deployed individually or in various combinations. These can power customer developed applications and other passenger facing digital touch points such as kiosks, digital signage and websites.
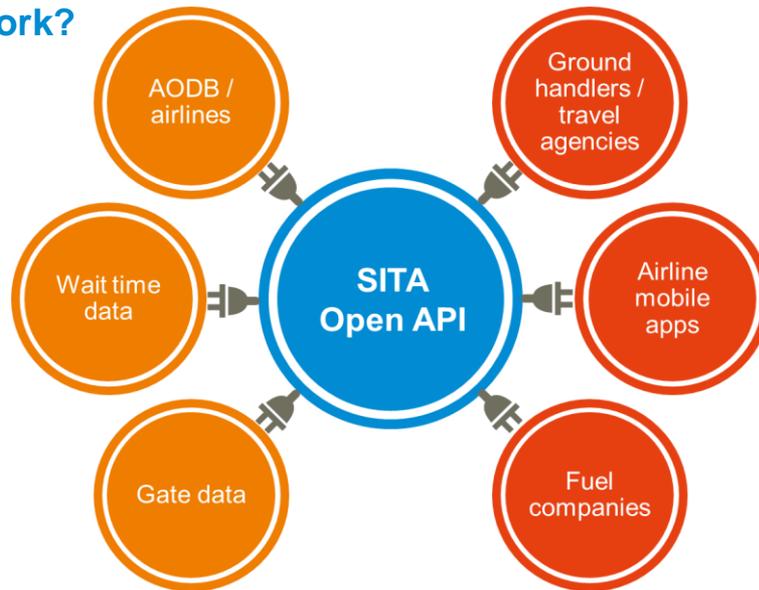
BENEFITS

- Provides access to a full suite of APIs. This offers developers a one-stop shop for information needed to create rich, compelling applications.

- Offers data that is sourced directly from airport systems. This makes it generally more accurate and more complete than what is available from other suppliers.

- Helps you avoid costly point-to-point integrations.

- Allows you to easily consume quality data from multiple sources in real time.

- Provides access to critical data aggregated under a single standard format.

RESULTS

180 million
annual transactions made through SITA's APIs

79 million
boarding passes issued via the BoardingPass API in 2018

SITA
AT AIRPORTS

SITA Open API

How does it work?

AODB / airlines

Ground handlers / travel agencies

Wait time data

SITA Open API

Airline mobile apps

Gate data

Fuel companies

SOLUTION COMPONENTS

SITA's core APIs include:

- **Flight Info API –** Uses real time flight data to provide information and status for flights from airports around the world.

- **Flight Follower API –** Provides map images of flights as they progress on their routes.

- **Wait Time API –** Provides information about the time a passenger may expect to wait in line. This includes areas such as airport security or customs.

- **Bag Journey API –** Provides real time status of a specific bag or a list of bags on a particular flight. It can also provide a list of events that describe the journey of a checked bag or list of bags.

- **Weather API –** Provides current and forecasted weather data for locations around the world.

- **Airport API –** Retrieves information about all major IATA airports.

- **Boarding Pass API –** Gives airlines complete flexibility in the creation and distribution of mobile boarding passes and Near-Field Communication (NFC) boarding passes.

CASE STUDY

A regional European carrier has deployed SITA's Flight Info API and Wait Time API. This helps them better understand when to:
- Wait for delayed passengers
- Proactively remove their baggage
- Resell the seats of those passengers who will miss the flight

With SITA Open API, the carrier can:
- Improve on time performance
- Increase revenue by maximizing flight load
- Enhance the passenger journey by ensuring customers enjoy a seamless travel experience

For more information please contact us at **info@sita.aero**