

IB

We
speak your
language



TAV | TECHNOLOGIES
THE FUTURE IS UNDER OUR WINGS

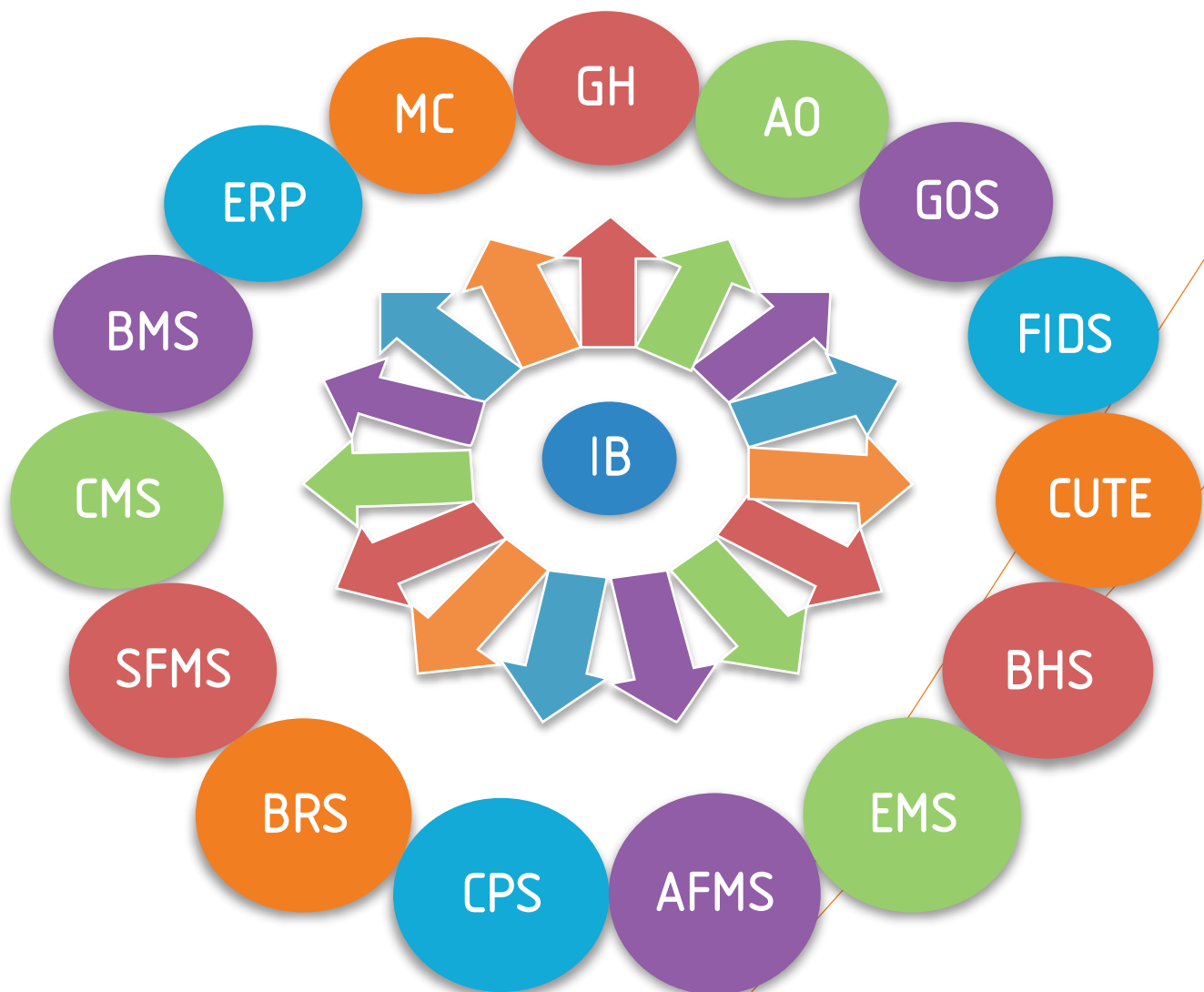
www.tavtechnologies.aero

✈️ TAV TECHNOLOGIES IB (INFORMATION BROKER)

TAV TECHNOLOGIES IB is the solution for integration requirements of airports thanks to its sophisticated capabilities and implementation of industry-standard Enterprise Service Bus Technologies. It provides a common platform through which each separate system can exchange data in real-time.

✈️ Industry Standard Messaging Technology

TAV TECHNOLOGIES IB is a unified information distribution and transformation system with almost no limitations. The IB system presents XML-based protocol interfaces where information can be transferred either in real time or batch mode.





✈️ TAV TECHNOLOGIES IB KEY FEATURES AND BENEFITS

- ✂️ Modular and loosely coupled, provides greater flexibility for all future airport expansions
- 🌐 Simultaneously dispatches the information to all relevant systems
- 🗄️ Ensures correct, timely and efficient data processing
- ✈️ Supports multi-airport and multi-terminal integration models
- 🔗 Platform and database independent
- 🌐 Suitable for all airport sizes, as it utilizes different network topologies
- 📋 Massive scalability; high availability and fault tolerance
- 🎯 Eliminates additional implementation time and cost
- 🧩 Offers a grid-style processing model, which allows a cluster of work processes to asynchronously process messages in a scalable, efficient manner
- 📄 Uses industry-standard XML schemas for messaging
- 📡 Supports a large set of transport protocols, including DB (JDBC/ODBC), SOAP, TCP, SNMP, SMTP, UDP and HTTP...
- 📊 Provides SOA Infrastructure with ESB functionalities
- 📶 Includes a built-in heartbeat check monitor which can be integrated with third-party applications

✈ SYSTEMS THAT HAVE ALREADY BEEN INTEGRATED USING IB

SOME SYSTEMS THAT HAVE ALREADY BEEN INTEGRATED USING IB



- Airport Operation Command and Control Center Systems
- Aeronautical Fixed Telecommunication Networks
- Advanced Surface Movement, Guidance and Control Systems (A-SMGCS)
- Mobile Applications
- Websites
- Slot Coordination and Management Systems
- IATA Type-B Message Platforms
- And more...



- Baggage Reconciliation System
- Energy Management Systems
- Building Management System
- Fire Alarm Systems
- Terminal Operation Center System



- Active Flight Management System
- Seasonal Flight Management System
- Knowledge Base Management System
- Commercial Management System
- Financial Management System



- Flight Information Display System
- Point Of Sales
- Car Park System
- Local Departure Control
- Docking Guidance System



- Master Clocks
- Personnel Management Systems
- Resource Management Systems
- Air Traffic Control Systems
- Airline Host System

IB



- Crisis Control Center Applications
- Gate Operating Systems
- Baggage Handling System
- Common User Terminal Equipment
- Common Use Passenger Processing System

AND MORE...

✈️ WHY TAV TECHNOLOGIES IB?

- **Performance:** TAV TECHNOLOGIES IB messaging architecture guarantees the highest performance possible.
- **Availability:** The modular structure and configurability of the system keeps it live in case of an outage in the integrated systems.
- **Scalability:** The modular and loosely coupled structure of TAV TECHNOLOGIES IB provides greater flexibility for future expansion and multi-terminal/airport environments.
- **Robustness:** TAV TECHNOLOGIES IB is able to run without interruption in a range of airports, from local and small-scale to major hubs. Its capabilities ensure data transfer across integrated systems in real-time and in the most reliable manner possible.

✈️ WHAT TAV TECHNOLOGIES IB USERS SAY

“Aircraft movements have been increasing dramatically in the last decade. The reliable distribution of thousands of pieces of flight data per day is a core attribute to achieving operational efficiency. TAV TECHNOLOGIES IB’s fast performance helps us run our operation smoothly and keep stakeholders informed by transferring data in real time.”





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