**Athens International Airport** 



# **Airport InfoHub**



### **Nektarios Psycharis (PhD)**

Supervisor Business Intelligence Athens International Airport



# **Agenda**

Athens Airport: Who we are

→ Athens Airport : Airport InfoHub

→ Athens Airport : Digital Passenger and Airport InfoHub





### Who we are

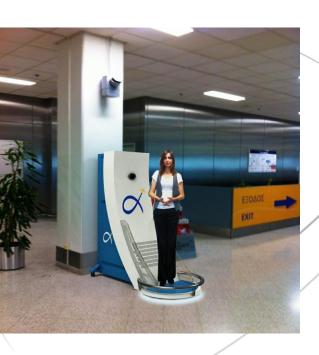


- **†** Start of Ops: Mar 2001
- Total Area of 16,7 Sq. Km.
- **+** >400 companies
- **+** >14,000 employees
- **†** 7x24h operation
  - >17,500.000 pax 2015



### **Concept**

# → People - Process - Technology





**DATA** 

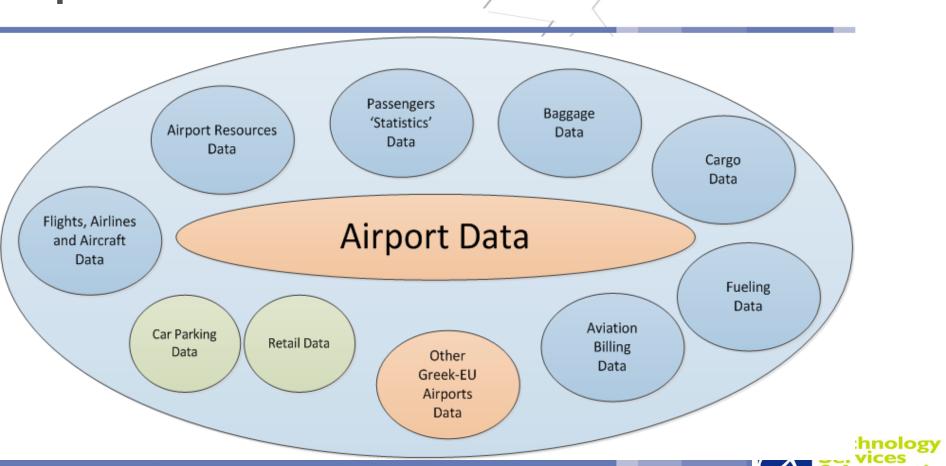


**HINFORMATION** 





## **Airport Data**



# **Enterprise Data-Warehouse**

### **Enterprise Data-Warehouse**

'Single point of truth'

- Quality of Data
- **→** Integrated Information

Visualization & Self Service Analysis





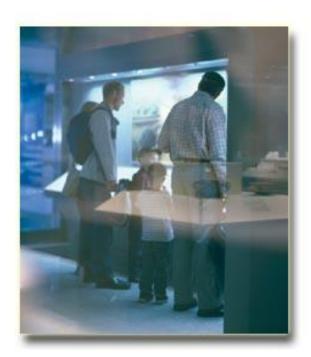
# **Business Intelligence & Analytics**

→ Business Intelligence & Analytics

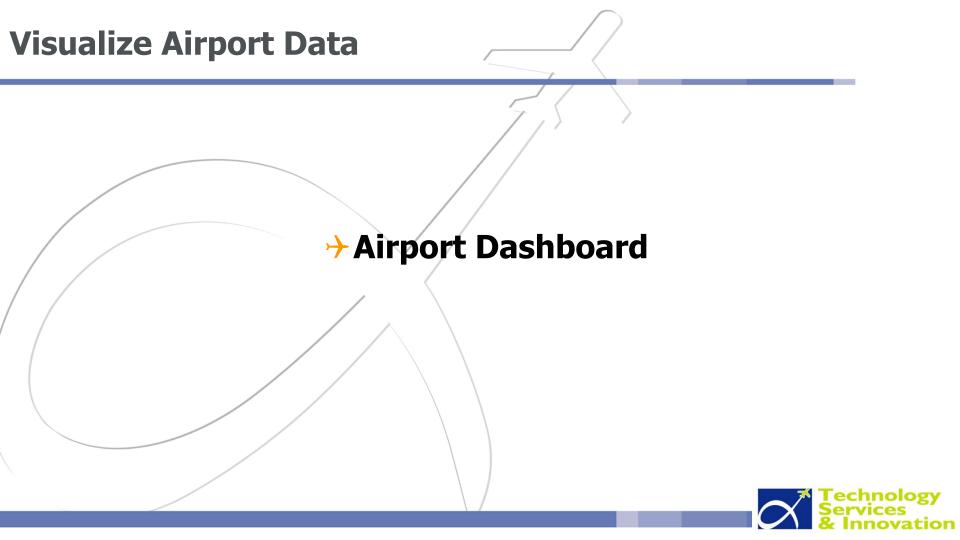
Improve Airport Processes (Why ? How ?)

Support Decision making (Trends)

Information as a Marketing Tool (Business)











# **Information as a Marketing Tool**

Information as a Marketing Tool

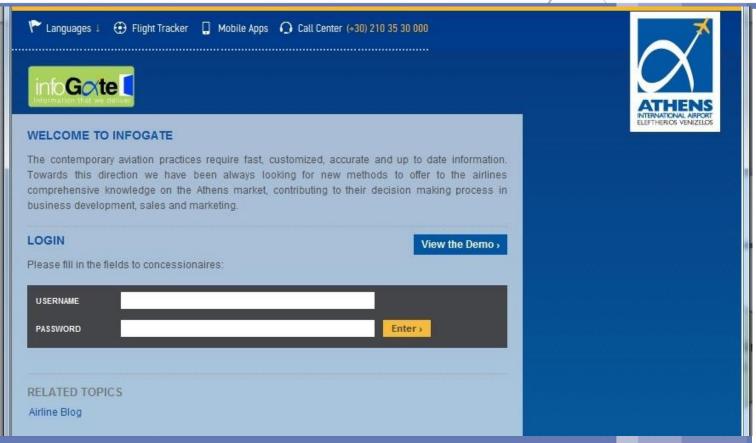
→ E.g. Airlines

- Athens Airport utilizes:
  - Information as a 'Marketing tool'
    - 'Infogate' Portal for Airlines





# **Airport Infogate**





# **Information as a Marketing Tool**



#### Frankfurt Scheduled Traffic Development 2012 - 2013

#### **Airlines Performance**

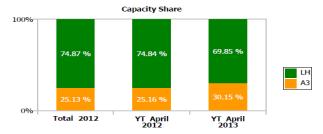
April 2013

City	Airline Description	Flights	Pax	Seats	Load Factor	Market Share		Market/Capacity Index
Frankfurt	Aegean Airlines S.A.	60	7,775	10,716	72.56%	22.24%	24.62%	0.90
	LUFTHANSA	174	27,178	32,818	82.81%	77.76%	75.38%	1.03
Frankfurt		234	34,953	43,534	80.29%			

YT April 2013

City	Airline Description	Flights	Pax	Seats	Load Factor	Market Share	Capacity Share	Market/Capacity Index
Frankfurt	Aegean Airlines S.A.	239	31,643	43,257	73.15%	26.88%	30.15%	0.89
	LUFTHANSA	526	86,055	100,199	85.88%	73.12%	69.85%	1.05
Frankfurt		765	117,698	143,456	82.04%			





All data in this section is based on non-stop services

Technology Services

# Digital Passenger & Airport InfoHub

**Passenger** (Digital Passenger) **Digital Digital** → 'Classical' BI Passenger: **Passenger: Analytics Individual Individual Passenger Passenger Airport BI in a BOX Anonymos Eponymos** Registration @Airport



## **Passenger Travel Chain**



Passenger Travel Chain

- Booking a flight
- Travel to/from Airport
- → Car Parking

Entering the Terminal





Check In / Bag Drop

- Pax Verification/Security
- → Shopping F/B

Boarding



# **Digital Passenger**

### **Digital Passenger**













# **Digital Passenger & Social**

### Digital Passenger







# **Digital Passenger & Social**





#welcome

#flight FR1200

Welcome to the "ATH Messenger" service provided by Athens International Airport.

Flight Number: FR1200,

ATH - PFO

Scheduled Time of Departure:

04/10/2015 17:30

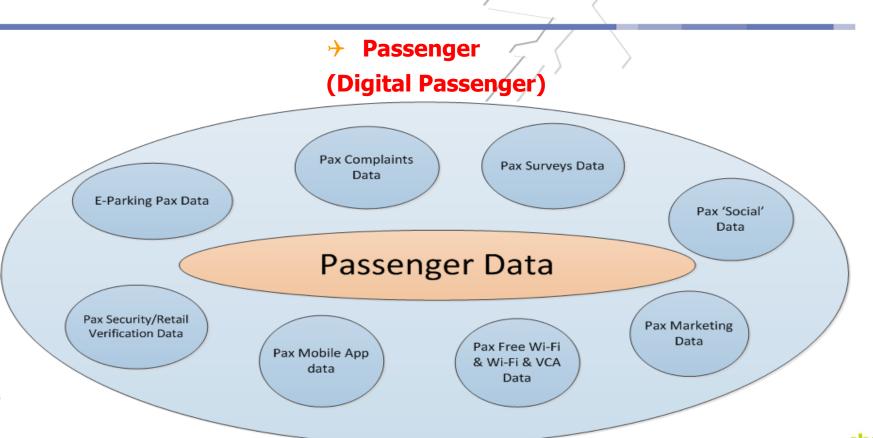
Check-in Counters: 20-21

Gate: A20

Status: Final Call



### **Passenger Data**





# **Intelligent Airport** ←→ **Airport InfoHub**

### ALL CONNECTED, ALL THE TIME

THE INTELLIGENT AIRPORT ECOSYSTEM

RAMP & TARMAC OPERATIONS SAFETY MANAGEMENT HANDLING AGENTS (MOBILE) AIRLINE OPS CENTRE BOARDING GATES FLIGHT OPS/WEATHER RUNWAY MONITORING INTELLIGENT **AIRPORT** VEHICLES (DE-ICING, FIRE, ...) IMMIGRATION SECURITY CHECKS BAG DROP/TRACKING INTERMODAL (trains...) TRAFFIC



# Thank you



### **Nektarios Psycharis (PhD)**

Supervisor, Business Intelligence Athens International Airport S.A psycharisn@aia.gr

