Ready for the future – Lufthansa Systems Portfolio

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Lufthansa Systems IT that makes your life easier

July 11, 2012

Safety

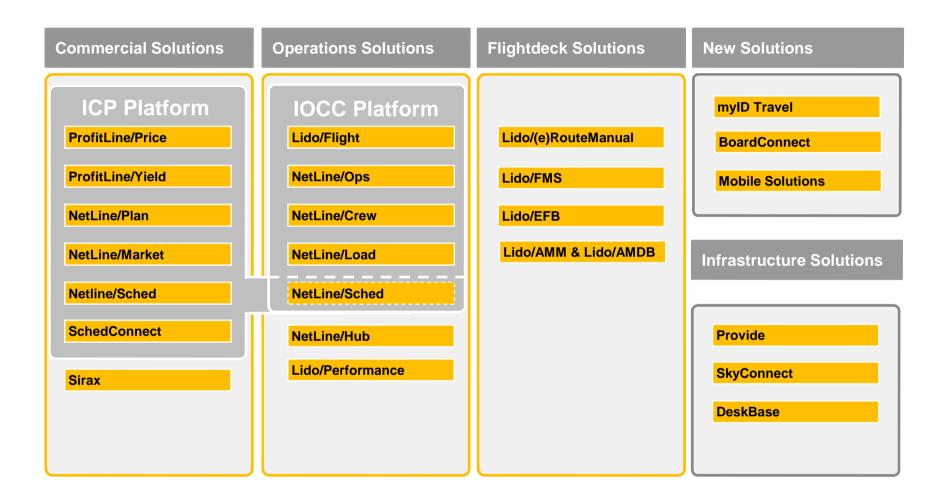
Efficiency

Precision & Quality

Simplification



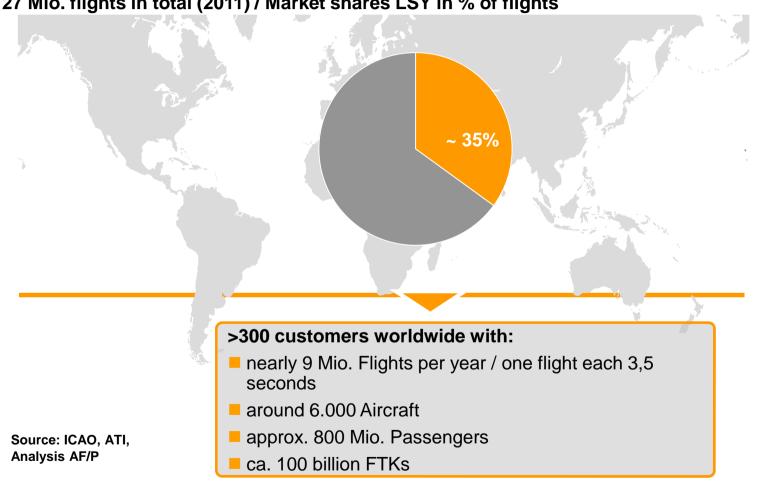
> Products of the Lufthansa Systems Portfolio







> Lufthansa Systems Market Position



27 Mio. flights in total (2011) / Market shares LSY in % of flights

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Lufthansa Systems IT that makes your life easier

Safety

Efficiency

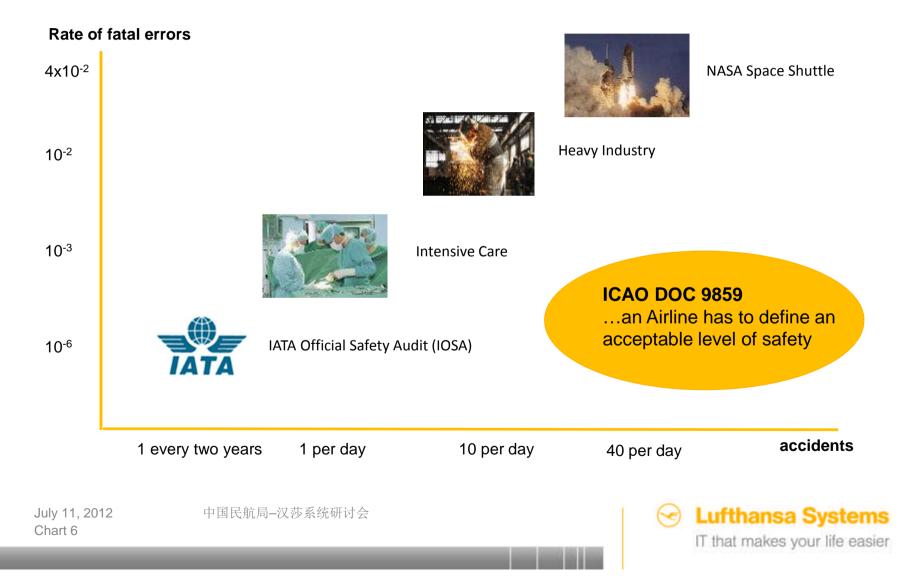
Precision & Quality

Simplification



> The Impact of Safety Levels

Based on an operation with 1000 flights per day



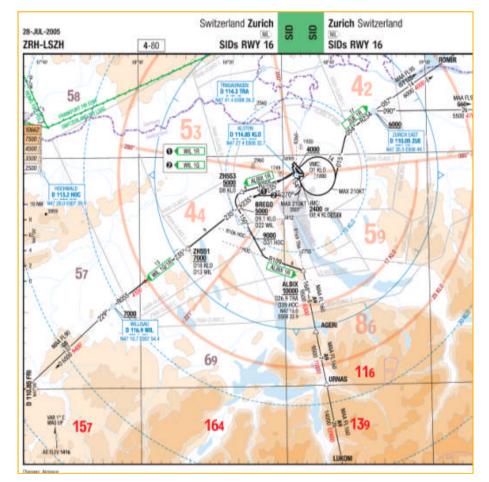
> Lido/eRouteManual – Key Product Characteristics

Focus on situational awareness and improved flight safety

Charts are drawn to scale, topography, grids and various minimum altitudes are included

Charts graphically align important elements like MSA with related information; e.g. terrain

Charts have standardized format and color coding for faster perception of relevant navigational details following recommendations e.g. by ICAO, Flight Safety Foundation



July 11, 2012 Chart 7 中国民航局--汉莎系统研讨会

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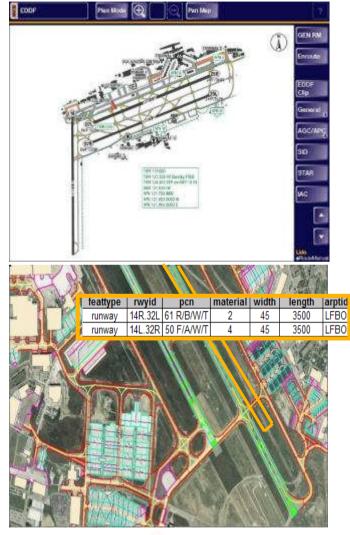
>Lido/AMM – Key Product Characteristics

Lido/AMM (Airport Moving Map Application)

- Aircraft Ownship Position overlayed onto georeferenced vector-depiction of airport layout (AMDB)
- Serves to improve situational awareness and reduction of pilot workload during taxiing
- Reduction of runway incursion risk and taxi accidents
- Improves safety

Lido/AMDB (Airport Mapping Database)

- Airport Layout from high-res satellite imagery and/or national AIP
- Functional attributes from aeronautical database
- Used for A380, B777, B787, B747-8 and various avionics applications
- Applicable standards: RTCA Do-272A, Do-291, Do-200A, ARINC 816



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Lufthansa Systems IT that makes your life easier

Our products

Safety

Efficiency

Precision & Quality

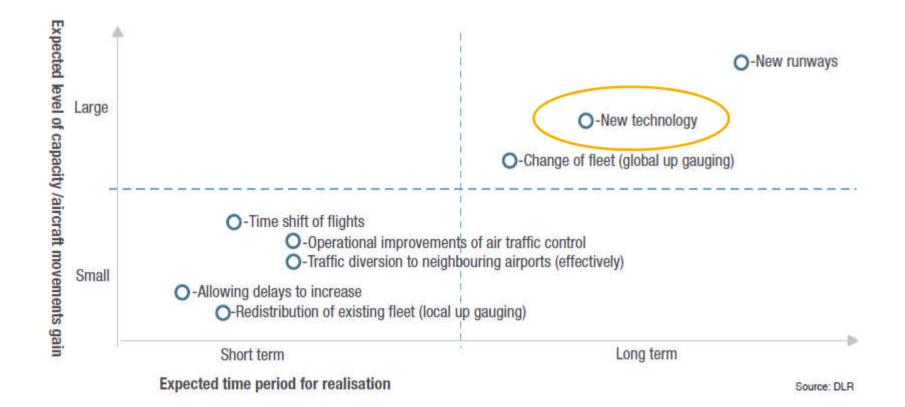
Simplification

Integration



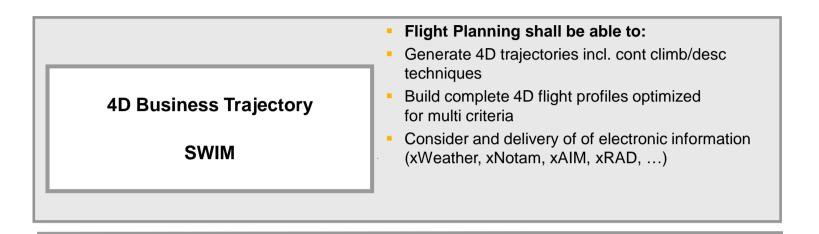
11. February 2011

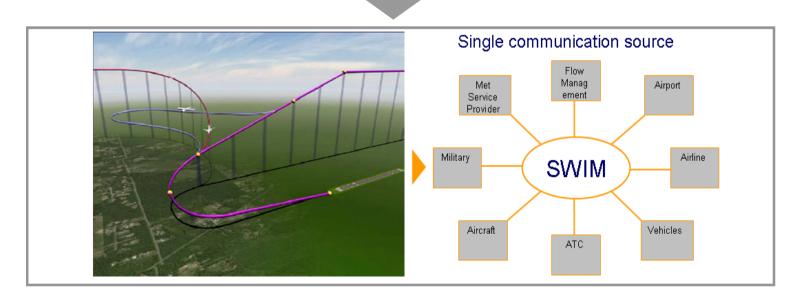
> Airports are congested and reach their capacity limit





> SESAR and new technologies









Safety

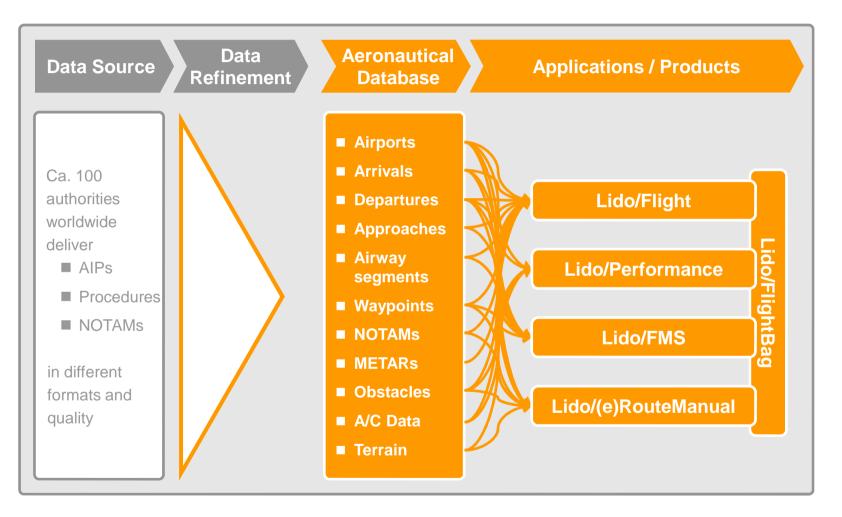
Efficiency

Precision & Quality

Simplification

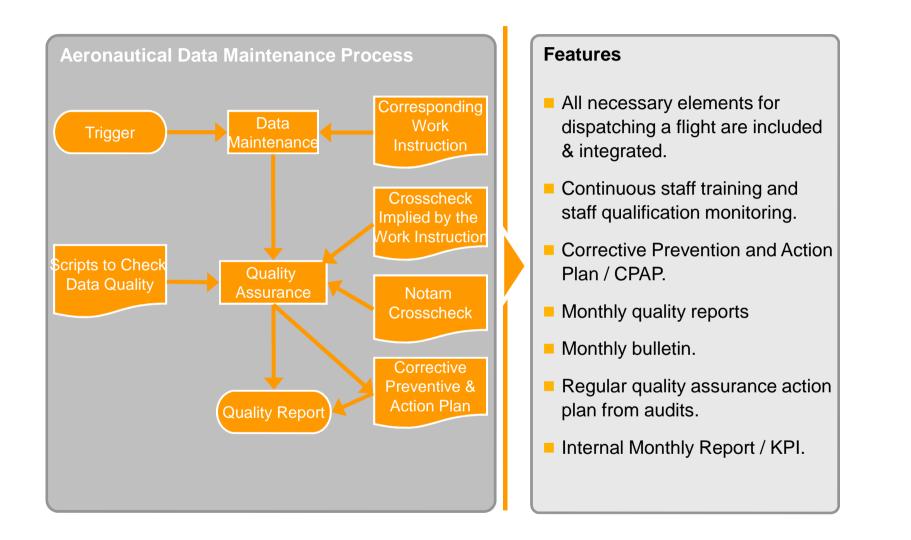


>Applications are directly linked and dependent on aeronautical data ...





>... hence Quality of Aeronautical Data is paramount



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Chart 14



Safety

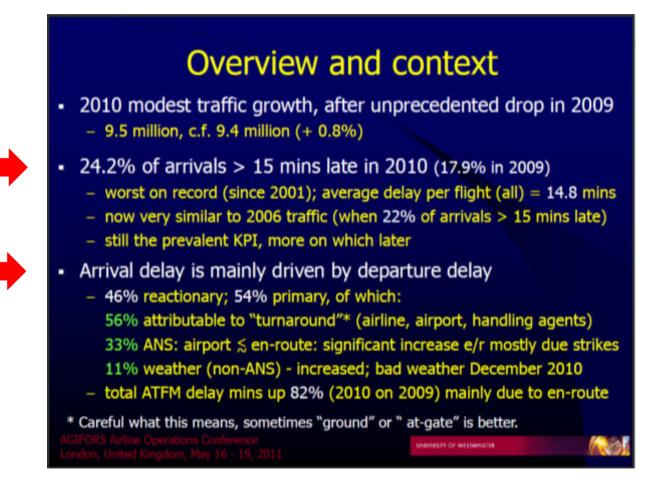
Efficiency

Precision & Quality

Simplification



>Nowadays every fourth flight is delayed – Over 25 percent of the departure delay is attributable to ground handling

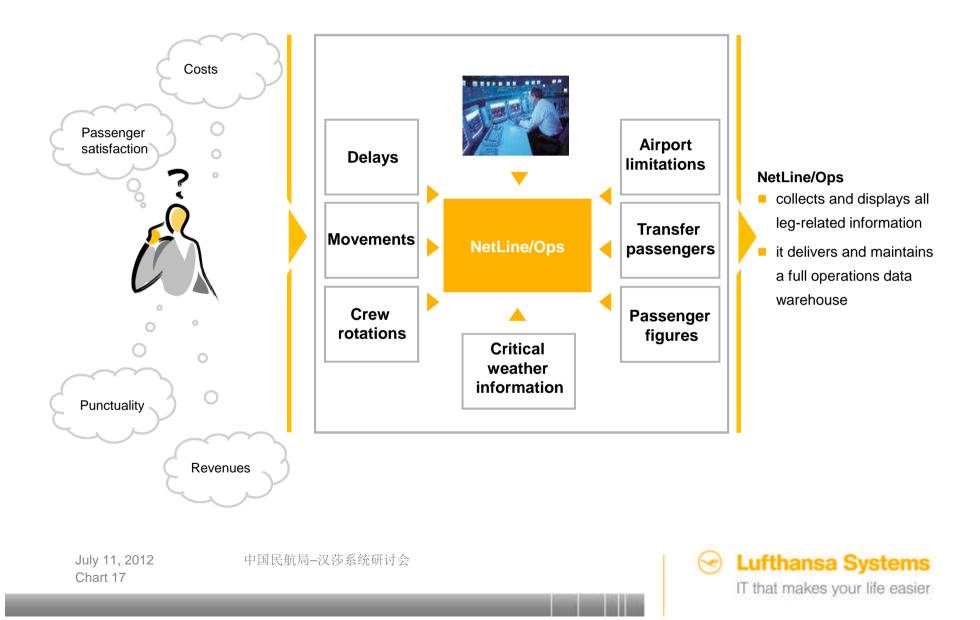


Source: Dr Andrew Cook, Principal Research Fellow Graham Tanner, Research Fellow University of Westminster: Modeling the airline costs of delay propagation – a European perspective. Presentation held at AGIFORS Ops in London, 2011.

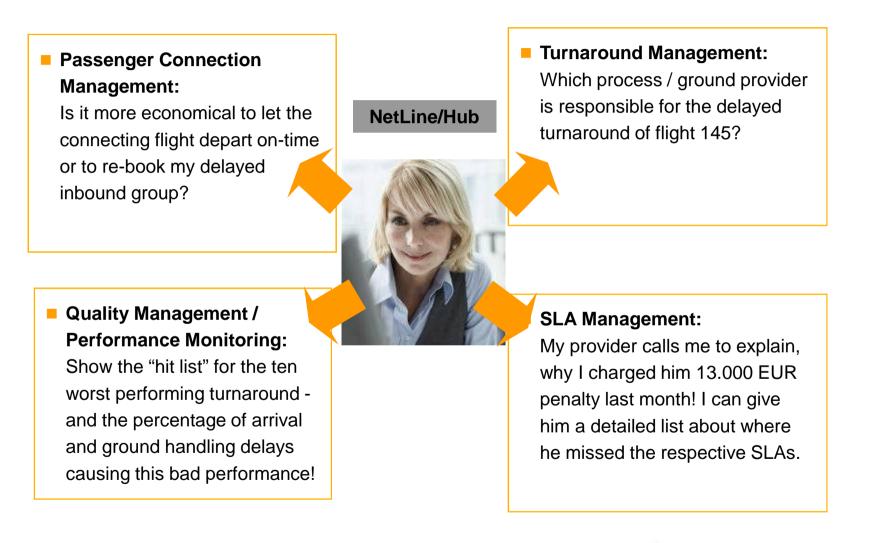
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>Operations Control – Managing expectations by finding the right solution



>NetLine/Hub: act and don`t react





Safety

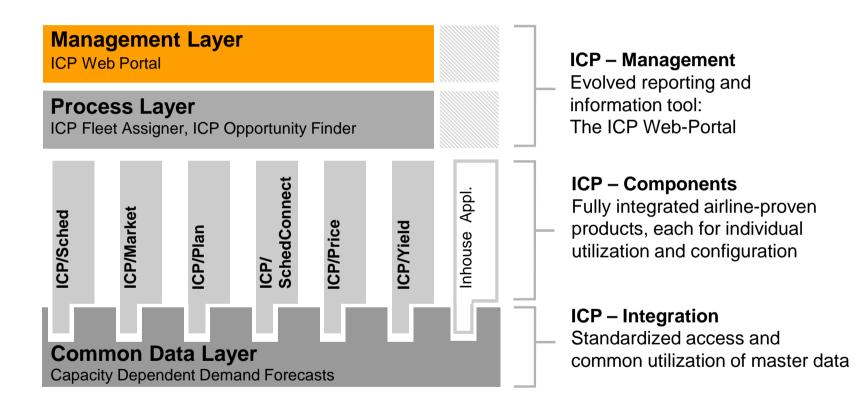
Efficiency

Precision & Quality

Simplification



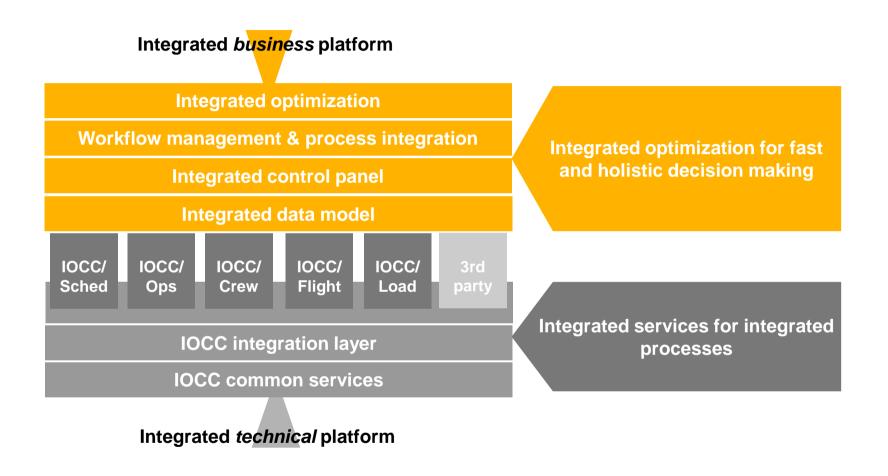
>The Integrated Commercial Platform (ICP) elevates the integration of its applications to the next highest level







>Lufthansa Systems' IOCC Platform elevates the integration level of its operational core applications to the next higher level





Ready for the future - Lufthansa Systems Portfolio



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