

SKY Base

Are you looking for an integrated, complete solution for the information technology of your airport?

Do you prefer a cost-effective standard solution to expensive individual developments?

Do you expect perfect services by an experienced partner?

Then you should consider to make use of SKY-Base.

Benefits

- * Integrated all-in-one solution for airport IT
- * Established and proved by 20 European Airports
- * Offered by a reliable partner with 20 years of experience in the airport business
- * Growing with your business
- * Permanently adapted to constantly changing business requirements
- * Applicable for major international as well as for smaller regional airports
- * Attractive cost-effective price structure



Airport Management with SKY-Base

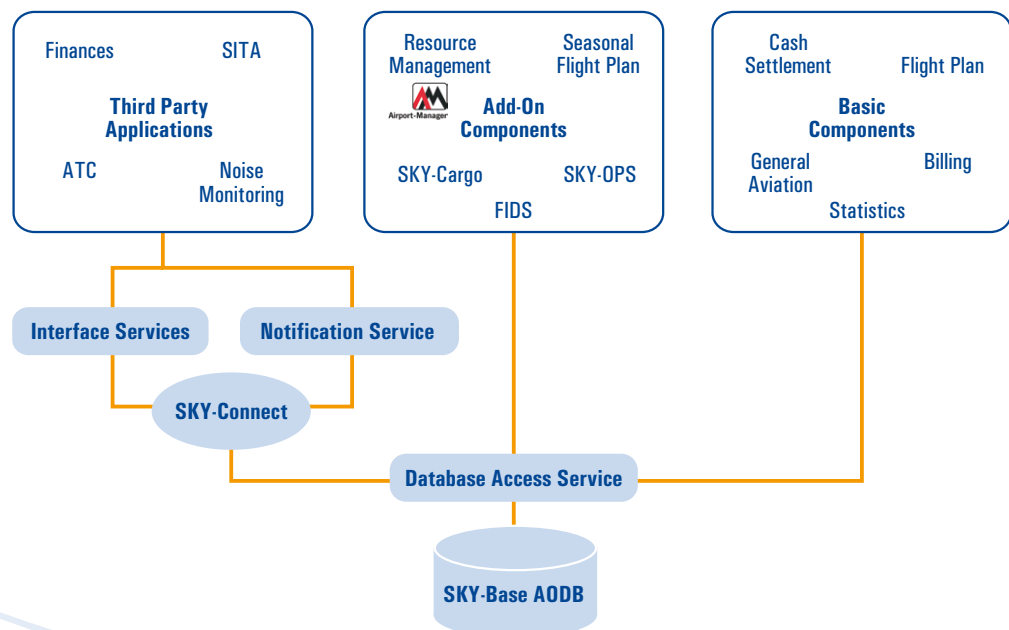
The availability of reliable information anytime and anywhere is one of the major requirements in airport operations today. Numerous parties - internal departments as well as partner companies, humans as well as devices - depend on exact real-time information to perform their tasks in the airport's integrated business processes.

SKY-Base, ISO's Airport Operational Data Base (AODB), provides the airport with an ideal platform for information storage, processing and distribution. Based on an ORACLE® database server it guarantees the availability and integrity of operational data and offers controlled access to the right information for all concerned parties.

Application Components

Tailor-made applications support the core business processes and take care of real-time distribution and reception of all relevant information:

- * Via the flexible communication server family of **SKY-Connect** partners and third-party systems are seamlessly integrated into SKY's information flow. **SKY-Connect** provides a library of standard protocols and may easily be adapted to proprietary procedures. Processing and production of SITA messages is one of the major standard features of **SKY-Connect**.
- * Powerful front-end applications support flight plan handling, reference data maintenance and aeronautical billing.
- * **SKY-Statistics** and **SKY-Report** open the AODB for ad-hoc queries about all operational and commercial facts.
- * Calculation of weight and balance situation of the aircraft is performed by **SKY-OPS**.
- * **SKY-Cargo** supports freight handling processes and charging of cargo-related services.



Flight Data Management

The application components of SKY-Base support all processes of flight data handling for

- * Season Planning
- * Apron Control
- * Handling Agents
- * Airline OPS

SKY-Base supports both IATA and ICAO standards for data entries and offers reliable data validation features to guarantee a high standard of information quality.

SKY-Connect simplifies data acquisition and distribution by its interface and notification services.

AD	FN	Reg	Typ	ST	ET	SEnd	SSeg	AT	Ob	Dir	Dest	Via1	FT	Pos	CG	SFn1	FA	Plem	Textinfo	RoFm		
D	AB 5142	DABAG	738	08:45	09:45			11:00	10:44	28	AGA	FEZ		34	18	J	22	91	AGADIR/FEZ	1	AB 7420	
D	AB 8266	DELDOR	320	08:50	09:45			11:02	10:46	28	ACE			32	11	J	22	91	ARRADIFE	1	AB 5498	
D	AB 8246	DABAF	738	09:20	09:45			10:51	10:39	28	MIR			33	30	J	22	91	MONASTIR	1	AB 5118	
D	AB 8284	DABAR	738	08:35	09:45			10:38	10:32	28	FCO			27	05	J	11	91	ROM-FIUMICINO	1	AB 7710	
D	HF 2351	DAHFG	738	08:30	09:45			10:34	10:26	28	SSH			26	16	J	22	91	SHARM-EL-SHEIKH	2	HF 2673	
D	HF 2359	DAHFT	738	08:50	09:45			10:43	10:32	28	TFS			31	09	J	22	91	TENERIFFA	2	HF 2595	
A	LX1180	HBJAY	ER4	09:55	09:45	09:53	09:35	09:43	09:46	28	ZRH			16	03	J	11		ZUERICH		LX1189	
A	AB 2044	DABBG	738	07:25	09:55	09:55	09:47	09:51	09:55	28	LEJ			12	03	J	22	41	LEIPZIG-HALLE		AB 3430	
A	NLS FRA																					
A	KE 4051	TRUCK		07:00	09:57			10:36	10:36		FRA							N	00			FRANKFURT
D	CTM2624	FRAZZ	C160	09:00	10:00			09:50	09:40	28	DU			18		N	96					CTM2624
A	LH 128	DANFJ	A17	10:00	10:05	10:00	09:59	10:08	10:11	10	HAM			15	01	J	11					HAMBURG
A	LH 311	DANFB	A17	09:45	10:05	10:04	09:43	09:46	09:50	10	TXL			17	01	J	11					BERLIN-TEGEL
A	LH 4331	DACRC	CRJ	10:15	10:05	10:01	09:56	10:06	10:09	28	CDG			14	01	J	11					PARIS-CDG
A	GAT-51	L401	L4T	10:16	10:05		09:57	10:04	10:08	28	LJU			62		N	35					LJUBLJANA
A	AF 9516	FBJJA	ER4	09:50	10:10	10:14	10:06	10:12	10:14	28	CDG			37	02	J	11	93				PARIS-CDG
D	LH 881	DAQUA	143	10:10				10:13	10:07	28	DUS			09	10	J	11					DUESSELDORF
D	LH 925	DAEWD	142	10:10				10:20	10:21	10:12	FRA			10	14	J	11					FRANKFURT
A	LH 4657	DBSSD	AT4	10:20	10:15	10:12	10:03	10:10	10:13	28	BRU			83	01	J	11					BRUESSEL
D	LX 1189	HBJAY	ER4	10:25				10:49	10:38	28	ZRH			16	22	J	11	2PI				ZUERICH
D	CHR 27	DHMUF	MBK7	10:28				10:28	10:28	28	ZZZZ			R1		N	59					AMBULANCE
D	LH 129	DANFU	A17	10:30				10:54	10:40	28	HAM			15	13	J	11					HAMBURG
D	LH 9021	DACRE	CRJ	10:30				10:38	10:46	10:34	28	MUC		85		N	61					MUENCHEN
D	CHR 27	DHMUF	MBK7	10:30				10:30	10:31	28	ZZZZ			R1		N	59					AMBULANCE
A	GAT-51	DHAN	BE20	10:34				10:38	10:39	10:43	28	INUE		M9		N	75					NUERNBERG

Aeronautical Billing

In a unique way **SKY-Base** fully integrates the charging and billing processes into the AODB environment.

- * Easy-adaptable rules for calculation of standard charge types, e.g.
 - * Aircraft (MTOW) based
 - * Passenger based
 - * (Parking-) Time based
 - * Type based
 - * Consumption based
- * Unlimited number of charge types per flight
- * Flexible use of rebates and other special conditions
- * Both credit (interactive or batch) and cash invoicing
- * Management of service contracts
- * Transfer of bills to financial accounting systems including SAP®
- * Electronic Invoicing via **XML4aero**

Connectivity

SKY-Connect, the integration suite of the SKY-Base AODB, guarantees the real-time distribution and reception of all relevant information to an from external systems. It covers multiple protocols and data formats and allows the rapid integration of new interfaces and processing rules.

SKY-Base supports virtually a hundred interfaces to 3rd party systems of airport operators, to business partners or public information platforms.

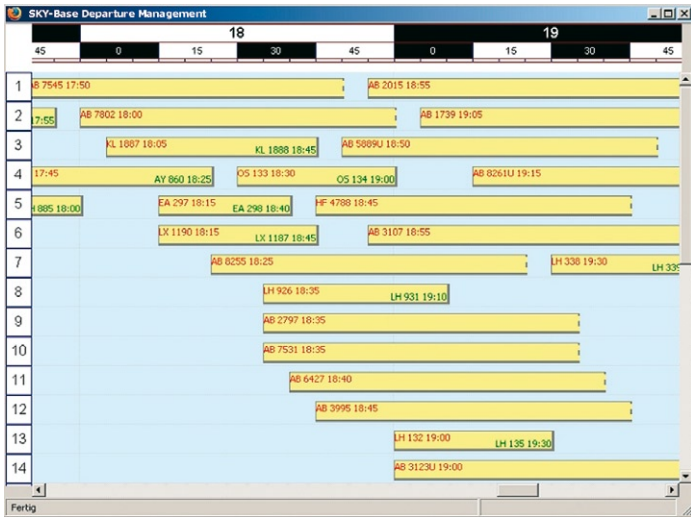
Among the available data exchange procedures there are as well airport-specific standard interfaces as those individually customized to the local requirements.

- * The **SKY-Connect-SITA-Server** offers sending, receiving and processing of standardized IATA message formats via SITATEX. Supported message types are MVT, LDM, PTM as well as FFM, FSU, SAM/SRM and many others.
- * Various Flight Informations Display Systems (**FIDS**) may interface with SKA-Base. The online communication facilities of SKY-Connect guarantee up-to-date information for passengers and airport staff.

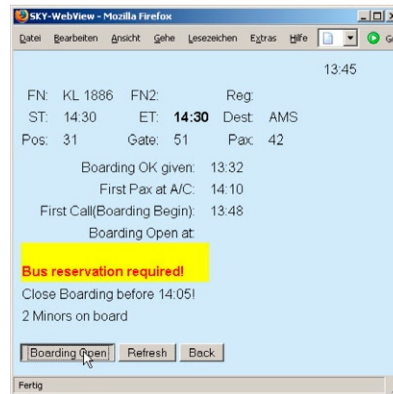
Web Features

Several web-based add-on components enable the browser access to the AODB.

- * **SKY-WebView:** The web-based front-end application displays real-time flight data in your browser. Flexible layouts include table representation as well as diagram display.



- * **SKY-WebBoarding:** Online boarding status tracing not only for CUTE work stations



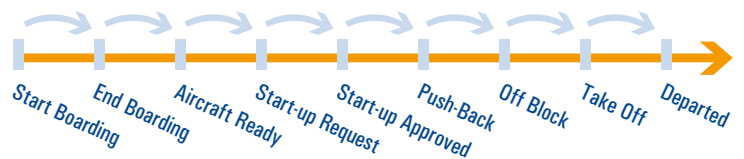
- * XML-based Electronic Invoicing via **XML4aero**
- * HTML Flight Information Display

The screenshot shows an 'Abflüge/Departures' table with columns: Flug, Nach, Sch, Gate, Plan, Erw, Status. The data is as follows:

Flug	Nach	Sch	Gate	Plan	Erw	Status
TK 1508	ISTANBUL		72-76	02:20		
FLM1506	ANTALYA			03:20		
AB 3612	LAS PALMAS	13-22		04:00		
AB 9364	PALMA	13-22		04:55		
AB 3456	IBIZA	13-22		05:00		
DE 6830	PALMA	60-67		05:15		
HF 6683	HERAKLION	60-67		06:05		
LH 921	FRANKFURT	51-59		06:15		
AB 8594	LONDON-STANSTED	13-22		06:30		
AF 5529	PARIS-CDG	78-79		06:30		
OS 142	WIEN	51-59		06:45		
LH 947	MUENCHEN	51-59		06:50		
KL 1880	AMSTERDAM	71-72		07:00		
LX 1181	ZUERICH	80-81		07:15		
LH 923	FRANKFURT	51-59		07:25		
LH 879	DUESSELDORF	51-59		08:30		

Collaborative Decision Making (CDM)

Collaborative Decision making (CDM) at airports improves the way Aircraft Operators, Ground Handling Agents and other partners in the aviation business work together at an operational level. SKA-Base supports the CDM standards set by IATA, ICAO and Eurocontrol including:



- * Proactive handling process status tracing
- * Information sharing with airline, handling agents and tower ATC
- * Estimated time calculation based on submitted events
- * Flexible event and alarm management
- * Audit trails assures and document data quality



Customisation

- * Adaptable business rules and user interfaces by means of customising
- * Flexible definition of business rules by
 - * Application Resources
 - * Database Tables and Procedures
 - * User Exits
- * Standard import and export interfaces with adaptable
 - * Protocols and
 - * Data structures
- * Multi-lingual user interface

Quality Features

- * High reliability and performance by using Linux and ORACLE® industry standards
- * Easy-to-use graphical user interfaces
- * High level of data security and validation
- * Outstanding integration abilities
- * Easy adaptation to customer specific requirements by multiple levels of customizing
- * All necessary implementation and maintenance services offered by ISO Software System

References

More than 20 reputable airports have already implemented SKY-Base, among them

- * Nuremberg Airport, Germany
- * Billund Airport, Denmark
- * Salzburg Airport, Austria
- * Bremen Airport, Germany
- * Bern Airport, Switzerland
- * Dortmund Airport, Germany

Billund Airport



Airport Nürnberg

AIRPORT BREMEN 

Dortmund Airport 

Näher als man denkt.





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