



Lido/Performance

Operate safely and efficiently from take-off to landing

Aircraft performance solutions are becoming more and more important in today's world, whether for safety, economic or ecological reasons. Lufthansa Systems offers a set of performance tools for all phases of a flight, supporting airlines in their endeavor to be successful and efficient.

It is always worth taking a closer look at payloads, procedures, standards, and fuel consumption. There could well be room for improvement, resulting in enhanced safety, reduced costs, and higher capacity for your airline. We have the know-how and experience to support you with a wide range of aircraft performance solutions.

onboard use on a laptop or electronic flight bag (EFB). The pilot enters the relevant data during his take-off preparations and Lido/TakeOff calculates the optimal thrust, the appropriate flap setting, and the optimized speeds for take-off and climb-out. All calculations draw on our Lido/ObstacleData. Additionally, Lido/TakeOff takes into account the aircraft-specific limitations as listed in the operations manual.

Benefits

- > Longer fleet lifecycle
- > Increased payload
- > Reduced fuel consumption
- > Worldwide airport data coverage
- > Flexible for different operations

> Lido/FlightOps Suite

Powerful, high-availability IT systems are critical to ensure reliable and efficient flight operations. Our Lido/FlightOps Suite provides airlines with the necessary tools and innovative solutions that enable them to optimize processes, save fuel, and reduce costs.

Lido/TakeOff

Our stand-alone take-off performance solution Lido/TakeOff is designed for

T/O Performance		Reg: D-ABEI		B737-330		Airport: FRA		EDDF		FRANKFURT/MAIN		364 ft	
WV: CALM	Pwr: OPT	A/E: OFF	Flaps: OPT	A/C: AUTO	Rwy Identifier	TORA	Slope	SWY	CWY				
OAT: +15 °C					07L	4000	0.3	0	60				
QNH: 1013 hPa					07L TWY L-EAST	3940	0.3	0	60				
					07L TWY K	3312	0.3	0	60				
					07R	4000	0.3	0	60				
MEL/CDL/Specials										Set	Cond: dry	Modify	
Act TOW: 45.0 t		Calculate											
FRANKFURT/MAIN		07L	TWY L-EAST			3940	45.0						
V1-Range	113 - 136	Flaps	1	MTOW:	57.6	PTOW:	47.3						
VR	138	MATOW/ActTOW	45.0	Stop Margin	<50m-<50m	TAS Effect	+ 211	HWC:	0 kt	Field Length:	50.8		
V2	142	Thrust	RED	TAS9	60	CWC:	0 kt	VMCG:	109	Sec. Segment:	47.8		
Accel AB	EOSID: At 25 NM [FRAX1] enter HLDG (069 INBD,RT)										Tire Speed:	58.1	
										Brake Energy:	-----		

Lido/TakeOff



Lido/Landing

Our stand-alone landing performance tool Lido/Landing allows the pilot to calculate the necessary parameters for landing using his laptop or EFB. Two different versions are available:

- With “Quick Landing” he quickly receives information about the approximate landing distance necessary on the basis of various parameters such as landing weight or runway condition.
- In a second step he can calculate the necessary landing distance based on different brake settings and can therefore define the taxiway he wants to use to leave the runway. This is especially important as it reduces the time on the runway and allows the airport to use this critical resource more efficiently.

Lido/APM

Monitoring the aircraft’s performance during flight is of the utmost importance as it gives indications as to whether the

aircraft’s fuel consumption is within a tolerable range or beyond a range that is economically and ecologically acceptable. The Lido/APM solution allows your performance department to accurately monitor the true correction factor of each aircraft in your fleet on an individual basis. In this way we can help airlines to extend the lifecycle of an aircraft and to conduct their operations in the most efficient and ecological manner possible.

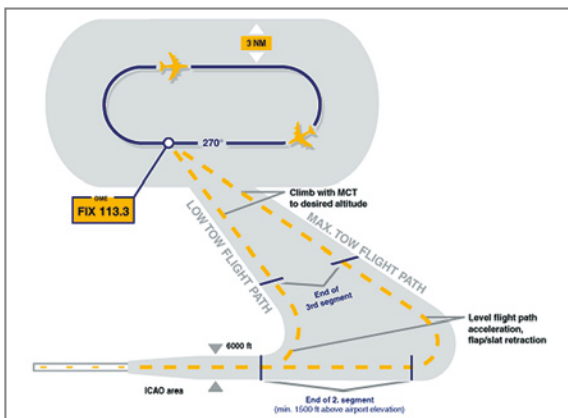
Lido/ObstacleData

We prepare and keep up to date all airport data required for take-off and landing in an online database. Our customers receive an individual abstract of this database, tailored to their fleet and destinations on a regular basis. In the interests of safety, we perform suitability checks for different aircraft types at an airport, ensuring optimization with respect to capabilities. Each data set of Lido/ObstacleData comes with Engine Out Standard Instrument Departures (EOSIDs).

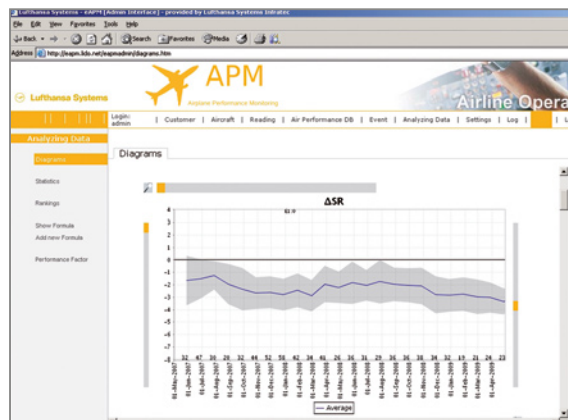
Lido/RWC

Lufthansa Systems’ Runway Weight Charts are designed in accordance with a wide range of regulations. We produce them using our Lido/ObstacleData. Our expertise ensures that current limitations are observed and that precise evidence of the maximum allowable payload is given.

All of our performance engineering solutions are designed according to the rules and regulations of airline organizations and authorities such as ICAO, JAA, FAA, IATA, and AEA. In addition, our performance engineers can configure your individual operational policies and regulations in our tool. We also represent customers’ views regarding aircraft performance issues and trends in user groups worldwide. Additionally, there is continuous cooperation between Lufthansa Systems and aircraft and engine manufacturers.



EOSID (Engine Out Standard Instrument Departure)



Lido/APM (Airplane Performance Monitoring)