Lufthansa Systems

Lido

Take-off with Lido.
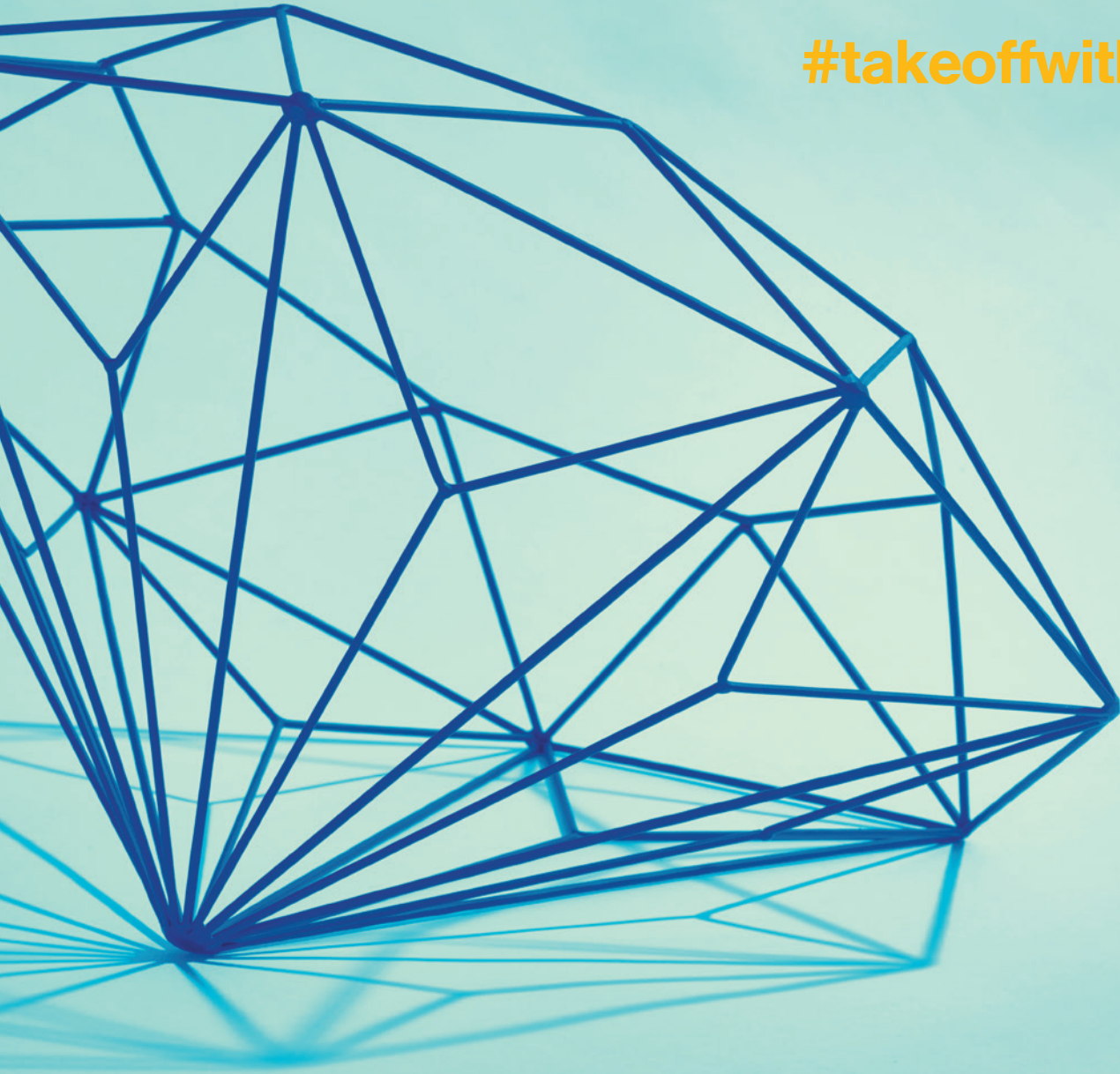
Independent. Smart. Seamless.

#takeoffwithlido

The aviation industry is changing.
On the flight deck. And in the office.
Flying is becoming digital.
Connectivity is the new standard.
Providing the right information.
At the right time.
For the entire operations team.

Navigate into the future.
With seamless digital services.
From gate to gate.

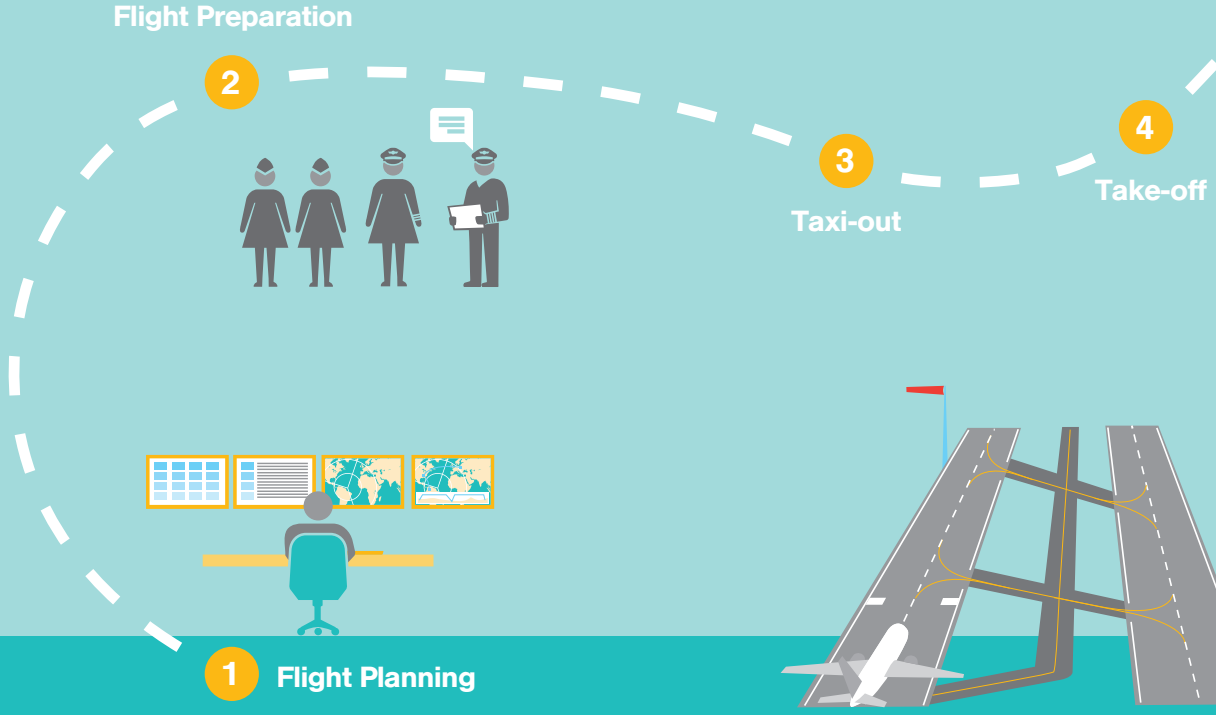Lido. The smart way to fly.

Take-off with Lido.
Independent. Smart. Seamless.

#takeoffwithlido

Smart navigation solutions.
On the ground. And in the air.

Flight Preparation

2

3
Taxi-out

4
Take-off

1 Flight Planning

In-flight **5**

6 Landing
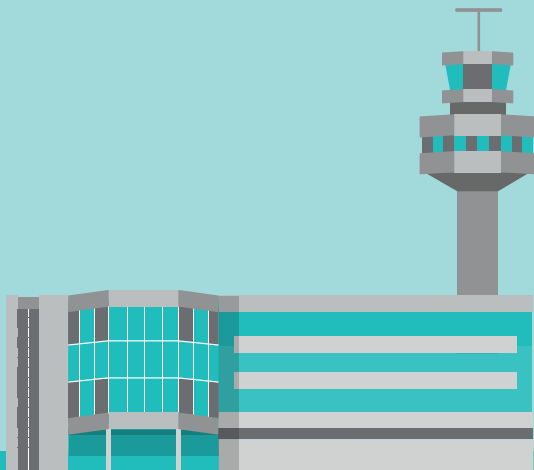
7 Taxi-in

8

At gate

A new generation of flight planning and navigation solutions.

Digitalization is a game changer. For the whole airline industry. Particularly in the flight planning and navigation process. The entire dispatch process is becoming increasingly dynamic and data driven. Paper charts are being replaced by state-of-the-art apps. New technologies like inflight connectivity provide opportunities to display real time tactical data, such as weather, airspace, and traffic information. Take off into the future with a reliable, strategic partner. Increased safety and a reduced workload throughout the entire mission. Whether in the operations control center or on the flight deck.

Let us introduce you to a new way of flying: Completely digital. Seamlessly integrated.

1 Flight Planning

Enabling flight dispatchers to achieve maximum operational efficiency, safety, and stability in a highly dynamic air traffic management environment.

2 Flight Preparation

Providing your crew with all the necessary tactical data for a safe and efficient flight.

3 Taxi-out

A smart airport moving map assisting your crew during ground operations.

4 Take-off

Calculating single point take-off performance data directly from the flight deck.

5 In-flight

High-quality aeronautical data forms the basis of our navigation map – in color, to scale, with terrain.

6 Landing

Analyzing all the relevant parameters for a safe and easy landing performance.
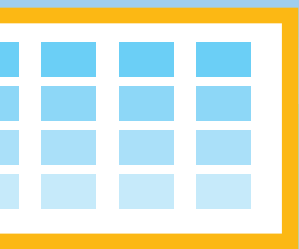
7 Taxi-in

Helping your pilots find their way at the world's largest and most congested airports.

8 At gate

Integrating post-flight analysis in the form of management reports with reliable statistics.

Optimize your flight –
with Lido/Flight 4D.

The dispatch process is becoming ever more complex. In a truly dynamic ATM environment, it is increasingly difficult for humans to observe all the available options or restrictions on an everyday basis. Lido/Flight 4D takes the most accurate and reliable flight planning solution to the next level of automation, optimization, and situational awareness.

Automation first – management by exception. Unprecedented data and system integration, sophisticated functionalities and smart automation capabilities enable the dispatcher to manage flights by exception.

Over 2,700 configuration parameters enable you to customize Lido/Flight 4D to your exact needs, policies and regulatory requirements. Our flight planning, data, and IT experts support your operation on a 24/7 basis. Seamless support when you need it.

Crew Briefing

Our crew-briefing solutions comply with the ARINC633 standard and provide customized, filtered briefing documentation and OFP layouts. They are delivered to the crew via a web-portal and mobile apps for enhanced situational awareness and quick decision making – anytime, anywhere.

Flight Tracking and Alerting

Lido/Flight 4D constantly monitors and compares the airport, route, and airspace status against the flight plan on the basis of current weather, aircraft position (ADS-B and radar data), and NOTAM information. Deviations can be visualized for the dispatcher or sent to the flight deck via datalink to improve situational awareness, operational stability and flight safety by enabling pro-active decision making.

Data and System Integration

The integration with external systems such as ATC, operations control, weight & balance, and crew management solutions in combination with Lufthansa Systems' unique digital data service for dynamic navigation, NOTAM and weather data provide the basis for industry-leading route optimization and automation capabilities.

Automation

Lido/Flight 4D checks the take-off and landing suitability of runways for the departure, destination and alternate airports of a given flight scenario. It also takes into account weather conditions, NOTAM restrictions, RAIM predictions, rescue and firefighting capabilities, and aircraft equipment limitations. If required, the flight planning process can be fully automated.

Dynamic Route Optimization

Lido/Flight 4D dynamically optimizes your trajectory while taking into account the latest data available, applicable rules, company policies, restrictions and regulations.

Flight Planning Service

We also offer a standard flight planning service based on Lido/Flight 4D. Let us optimize your flight plans – setup is easy and available at short notice. Simply provide us with your schedule, payload, and operational conditions via our web interface and we will supply all the relevant briefing documentation.

Enhance your aircraft operations – with Lido/Performance.

Ready for take-off? With our smart aircraft performance solutions, you certainly will be!

Calculating the optimum thrust for take-off protects your engines while increasing their service life. In addition, regularly monitoring the flight performance of your fleet enables you to detect maintenance requirements in good time as well as optimize the fuel requirements for flight planning. Our portfolio of performance products helps reduce operational costs and extend your fleet's lifespan.

Lido/AirportObstacleData

Our revision service covers the surveillance and maintenance of AIP data and NOTAMs for airports, runways, obstacles, and engine out procedures (EOSIDs). The service is tailored to your global route network and supports all major aircraft manufacturers' performance applications and required data formats.
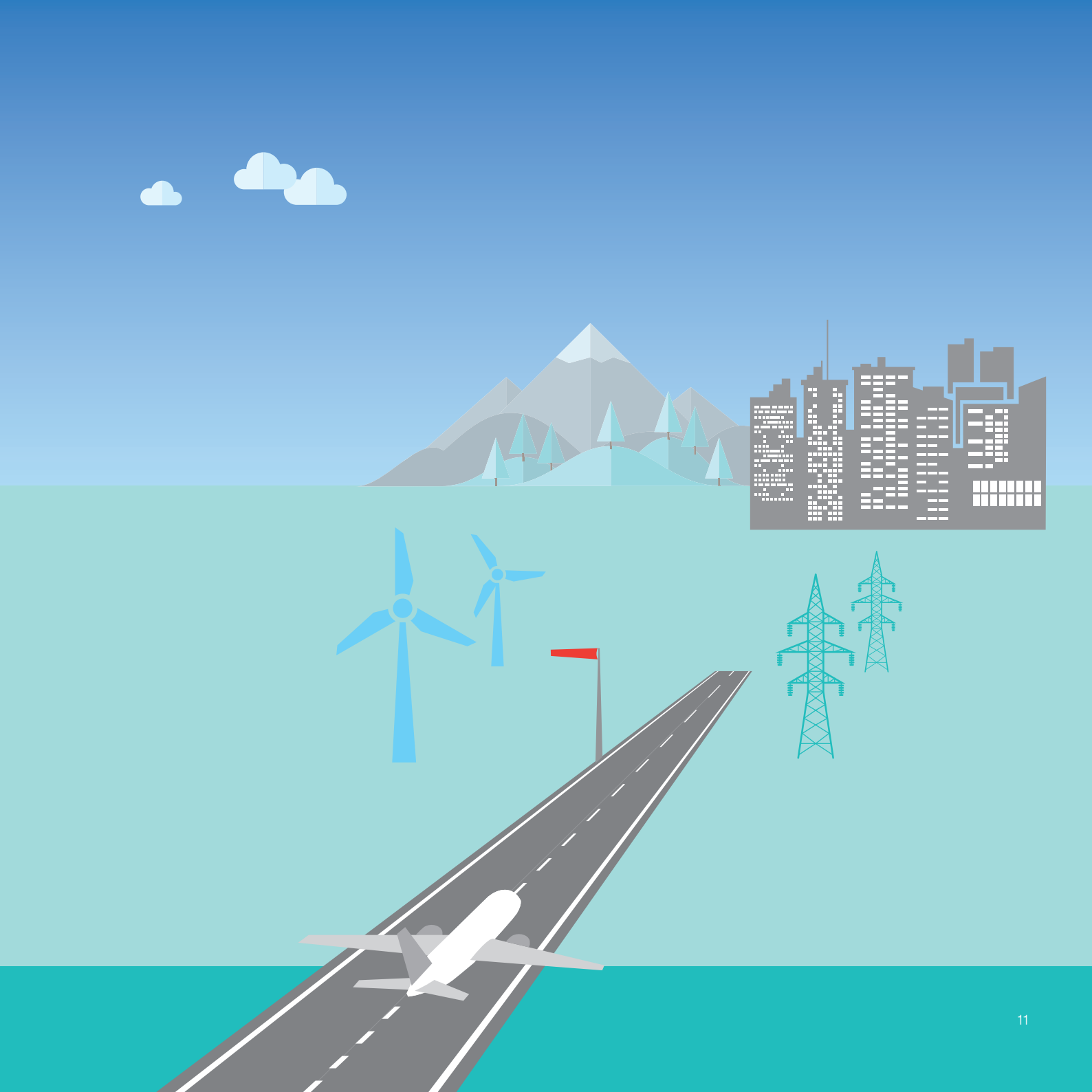
Lido/APM

Monitor fuel burn and detect any deviations. Take corrective actions at an early stage or adjust the performance correction factor of each aircraft on an individual basis, e.g. for even more accurate flight plan calculations.

Lido/TakeOff & Lido/Landing

One common and independent user interface across your entire fleet, which calculates the many variables needed to provide your pilots with the final take-off and landing settings. All the relevant data is available and clearly displayed at the touch of a button.

Navigate your way –
with Lido/Navigation.

From gate to gate: Precise navigation is a key factor when it comes to airline safety. That's why exact data is at the heart of our Lido/Navigation portfolio. One single high-quality data source forms the basis of our smart navigation solutions. In combination with an intuitive user interface, maximum flexibility is ensured on your flight deck.

In order to provide you with the highest possible level of professionalism, quality and usability, we jointly develop our products with pilots and navigation experts. Naturally, we take all international aviation authority requirements into account.

The Lido/Navigation apps are integrated into various EFB & avionic system solutions, which enable the full benefits of flight deck connectivity. A common backend for both Windows and iOS platforms helps administrators track the status of every device – for your entire fleet. All navigation maps are available in our cloud solution as a backup, ensuring operational continuity – no matter what happens.

Our navigation portfolio includes the full range of trendsetting digital mapping and data solutions:

Lido/FMS

Our highly precise navigation data feeds your flight management system, and includes data about airports, airways, waypoints, radio beacons, holding patterns, and approaches. Individually tailored to your aircraft types, your hardware, and your route network.

Lido/SurfaceData

The Lido/SurfaceData is a collection of obstacle data throughout the world, including enroute and aerodrome obstacles. High antennas, towers, and cranes are typical examples of obstacles included in this data set. Lido/SurfaceData is certified with a LoA Type 1 and is used in numerous other systems.

Lido/RouteManual

Navigation charts created by airline experts in collaboration with pilots, licensed dispatchers, and IT specialists. All of our charts show true-to-scale topographic information, such as mountain heights, river courses, and many other details. These high-quality charts can be tailored to your flight operations, while continually meeting the required standards in terms of precision.

Lido/eRouteManual

The Lido/eRouteManual is a Windows-based electronic version of our navigation charts and is available for both portable and integrated EFB systems. The Lido/RouteManual Tracks functionality, displaying former flown trajectories, helps pilots' decision making in order to save fuel.

Lido/mPilot

Lido/mPilot is an iOS-based electronic version of our navigation charts. It provides pilots with a modern user interface and interactive charts, as well as a seamlessly integrated airport moving map. Third-party data, such as flight plans, can be easily integrated, reducing flight preparation time.

Lido/AMM

The Lido/AMM (Airport Moving Map) is available on Windows and iOS. It displays geo-referenced airport maps that assist your crew during ground operations. It highlights the taxi destination and provides alert and advisory messages to pilots, increasing situational awareness and enabling safer taxi operations. Lido/AMM is powered by Lido/AMDB.

Lido/AMDB

Taxi operations are easy with our highly accurate Aerodrome Mapping Database. This geo-referenced database includes the geometry of runways, taxiways, and buildings, as well as attributes such as surface type and runway slope. Lido/AMDB forms the basis for various airport moving map applications that can prevent runway incursions and enhance your crew's safety during ground operations.

Lido/SkyData

The Lido/SkyData is based on our certified ARINC 424 database. It contains all relevant navigational information, such as airports, heliports, runways, procedures, navaids, airways, and airspaces – worldwide. The 28-day update cycle and standardized output formats ensure that users can always rely on the most up-to-date and ready-to-use data available in the market.

**Preparing for take-off.
At the push of a button.
Flight planning. Safe and efficient.
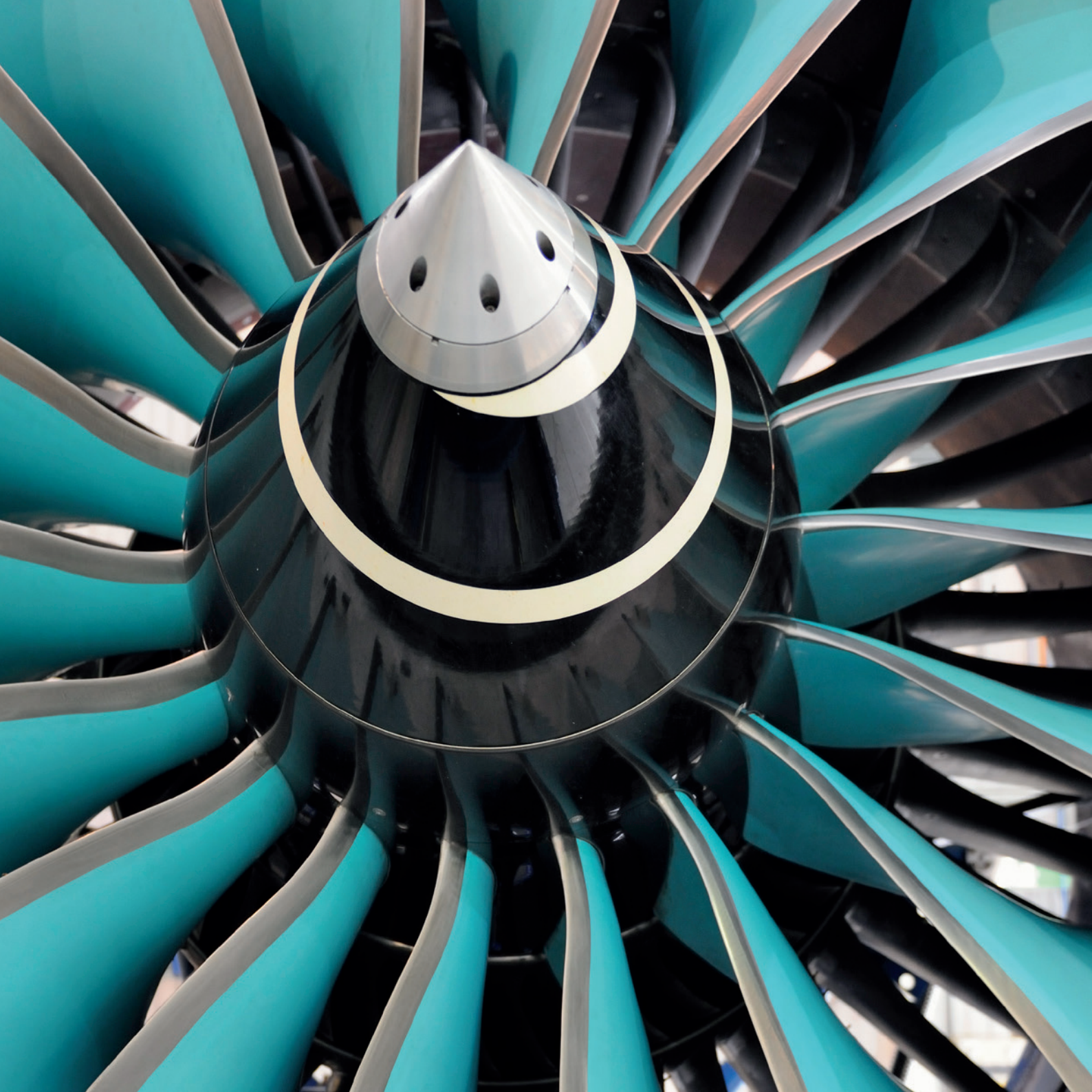Smart navigation.
In the air. And on the ground.**

**A wide variety of digital services.
Entirely reliable.
Flexible integration.**

**Lido
Lido/Flight 4D
Lido/Performance
Lido/Navigation**

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