



# QUANTIFLY™

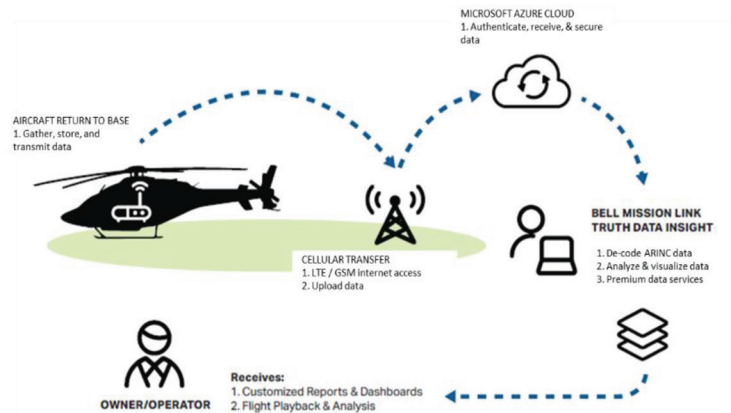
## YOUR CONNECTED FLIGHT ANALYTICS SOLUTION

QuantiFLY™ is an affordable solution to capture operational flight parameters to be utilized in Flight Data Monitoring (FDM) and Safety Management Systems (SMS). It provides the data needed by pilots, technicians, operators, and fleet managers to analyze the safety and efficiency of how aircraft are utilized. The information improves aircraft operations by identifying issues to reduce potential risks.

Bell developed QuantiFLY™ in collaboration with Truth Data Services, an FDM service provider. Bell's MissionLink application seamlessly integrates with Truth Data's Flight Data Services platform, enabling a multi-tiered premium service. Designed to DO-160G, a Supplemental Type Certificate (STC) has been awarded for the installation of QuantiFLY™ for the Bell 205, 206, 505, 407, 429, 212, 412.

Bell utilizes the Microsoft Azure Cloud and on-premises servers for data storage and analysis. This architecture leverages a wide array of security tools that ensure the data is kept confidential and held with integrity, while ensuring data is available for analysis for customer support and troubleshooting service via MissionLink.

MissionLink is a free-to-access web application that provides customers with the basic insights necessary to evaluate individual flights and general fleet usage. Whether the data is in the cloud or on-premises, Bell takes every effort to provide timely analysis while maintaining reliable data security.



### BENEFITS

- Uses aircraft-recorded data to monitor maintenance alerts, trends, flight time, and engine time
- Provides confidential, constructive feedback to operations
- Small / lightweight LRU (<4lb installed)
- ED-155 compliant when paired with the removable data module (RDM-500)

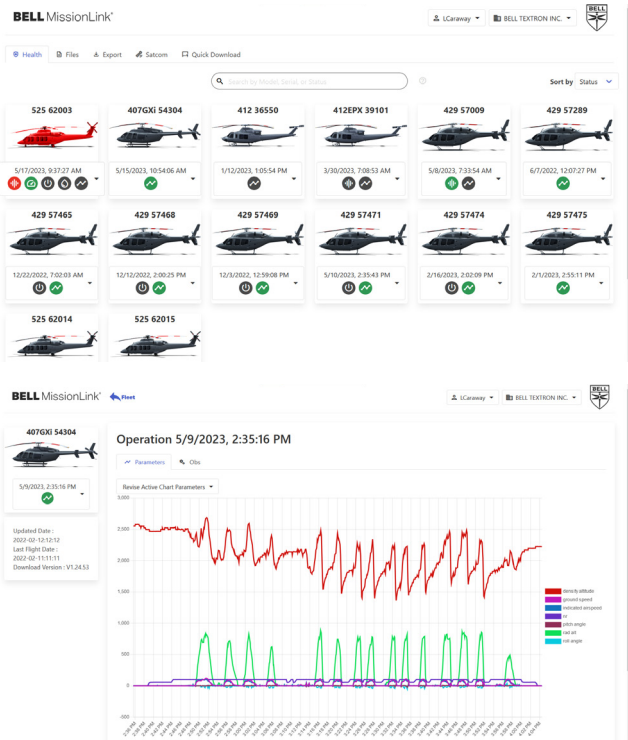
### FEATURES

- Hands-free cellular data offload
- Data rich ARINC 429 input
- RS-422 Output
- 32GB eMMC Internal Storage
- Discrete I/O
- Analog aircraft applicability with internal IMU and GPS antenna

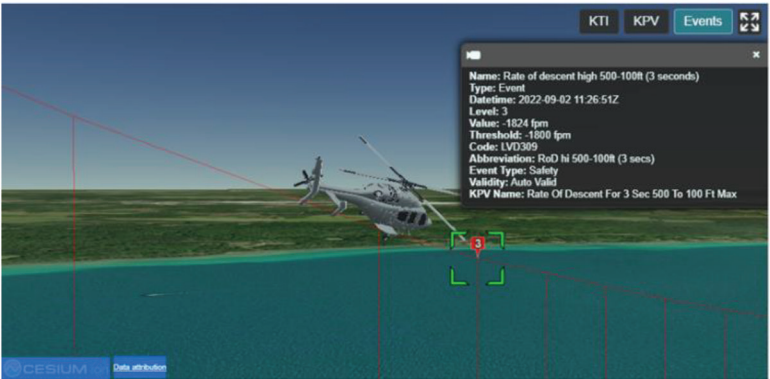
Bell's MissionLink application seamlessly integrates with Truth Data's Flight Data Services platform, enabling a multi-tiered premium service.

The Flight Data Services allow operators to seamlessly interact with QuantiFLY™ data and quickly identify, validate, and assess in-flight events to ensure the aircraft and crew are always protected throughout the operations.

The FDM offerings from Truth Data are fully conforming to FAA Part 135 requirements for Flight Data Monitoring programs.



Event Search						
<input type="checkbox"/>	Level	Event Short Desc	Graph	Event Datetime	Value	Threshold
<input type="checkbox"/>	3	RoD hi 500-100ft (3 secs)		2022-09-02 11:26:51Z	-1824 fpm	± -1800 fpm
<input type="checkbox"/>	3	Roll hi 100-20ft		2022-08-25 16:37:39Z	-32.7 deg	± ± 30.0 deg
<input type="checkbox"/>	3	Roll hi liftoff 20ft		2022-08-25 16:37:38Z	-24.5 deg	± ± 20.0 deg
<input type="checkbox"/>	3	Rtr spd hi fit		2022-08-22 22:11:21Z	105.2 %	± 105.0 %
<input type="checkbox"/>	3	Pitch hi 20ft tdwn		2020-11-06 15:02:30Z	22.9 deg	± 20.0 deg



## Network Regulatory & Certifications

Verizon

Vodafone

Tata Communications

CE, IC, FCC, RCM

## Aircraft Approved List

Part 27: Bell 206, 505, 407, 429

Part 29: Bell 205, 212, 412



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