INNOVATION AVIOTECH PTY LTD / TECHNOLOGY & IP

Commercialisation Brief

Event Driven Data Recovery and Intelligence Platform | October 2026

Executive overview

Innovation AvioTech is seeking a commercial partner for an international patent portfolio concerned with the preservation and recovery of event data. The invention is directed to an architecture that interfaces with vehicle recording devices, maintains independent data storage and supports wireless transmission when predefined conditions are met. Disclosed embodiments also include deployable recovery arrangements and image recording integration.

This is an intellectual property and industrial development opportunity. It is not offered as a certified aircraft recorder or as an in-service substitute for mandatory flight recording equipment.

Operational rationale

Critical data may survive an event but remain unavailable until a recorder has been located, recovered and read. This creates uncertainty for operators, investigators and manufacturers. The DFDR approach offers an additional pathway for data preservation and potential remote access without sole dependence on physical recovery.

Technical subject matter

Recording interfaces	Acquisition of selected information from one or more existing recording devices.
Independent memory	Storage of a separate copy of relevant operational and event data.
Defined event criteria	Data responsive activation logic, including parameters identified in the patent claims.
Wireless data retrieval	Transmission of recorded data over an available communications link.
Recovery embodiments	Optional separation, flotation, self righting, location and independent power arrangements.
Image recording	Described integration of image capture with adaptive recording functions in certain embodiments.

Implementation considerations

Commercial deployment would require programme specific engineering, system integration, data integrity and cybersecurity reviews, environmental qualification and, where relevant, aviation certification. Operational performance, transmission latency and survival capabilities must be demonstrated during development. Computer assisted surface monitoring and space launch applications are potential extensions requiring further design and claim scope analysis.

INTELLECTUAL PROPERTY / COMMERCIAL DISCUSSIONS

Portfolio and market opportunity

Patent position

The patent family includes Australian patent AU2019238567B2 and European patent EP3768599B1, both granted. India patent 564506 and New Zealand patent 768917 are reported as granted. UK protection is associated with the European patent designation; national status and renewals should be independently confirmed. US application 16/982,705 has been allowed and is undergoing issue formalities. Canadian application 3,097,084 remains under examination. Scope is defined by the granted claims in each jurisdiction, not by the title or general description.

Potential commercial markets

Civil aviation	Airlines, regional and business aircraft, general aviation and helicopters.
Avionics and OEMs	Connected recorder systems, aircraft monitoring and integrated equipment platforms.
Uncrewed platforms	UAVs, autonomous aviation, eVTOL and experimental aircraft.
Defence aviation	Mission recording and recovery concepts subject to appropriate security controls.
Other transport	Maritime, rail, mining and industrial or autonomous vehicle systems.
Space launch	Exploratory recovery and diagnostic concepts for rockets, reusable stages and satellite deployment missions.

Commercial arrangements

The portfolio may be considered for outright acquisition, exclusive or nonexclusive licensing, licensing by market or territory, OEM integration or a structured joint development programme. Details will depend on the counterparty, field of use and the legal status of the relevant rights.

Proposed engagement

Initial nonconfidential discussion, mutual NDA, exchange of technical and patent documents, claims and engineering review, then commercial terms and diligence. The patent is personally held by the inventor, with Innovation AvioTech acting as the commercial contact for qualified approaches.

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This is a nonconfidential commercial overview and is not an assertion of third party infringement, a legal opinion, a representation of certification or a guarantee of performance.