

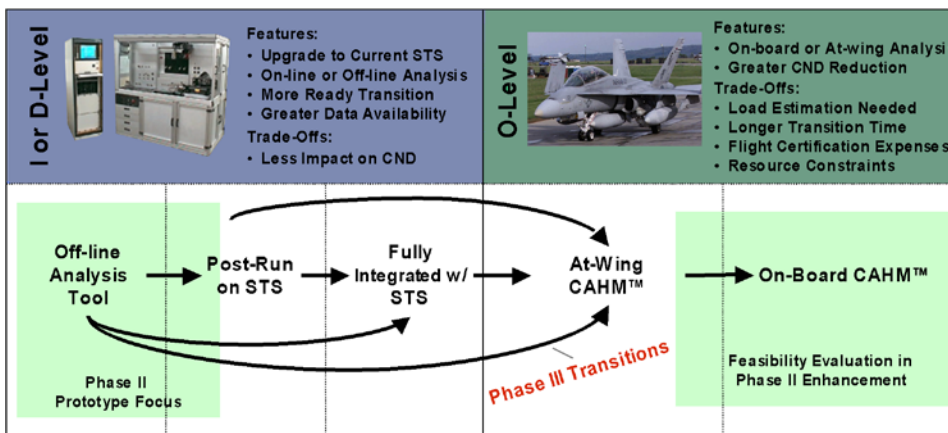
# CAHM™

## Control Actuator Health Management



*Significant reduction in Can Not Duplicate (CND) occurrences and life cycle costs.*

Impact Technologies has developed a health management software package for electro-hydrostatic and electro-mechanical actuators. The CAHM™ software implements Prognostics and Health Management techniques to process real-time command/response data from flight control actuators. The software features an advanced algorithm that fuses data-driven and model-based approaches, along with novel tracking methods, to provide an accurate assessment of the current actuator health state and a prognosis of the actuator's remaining useful life.



## Features:

- Automated software package for improved health management of flight control actuators.
- Uses advanced signal processing techniques and implicit/explicit models to assess gray-scale health and Remaining Useful Life (RUL) of flight critical components.
- Designed to work with existing data collection specifications and O, I, D maintenance test stands.
- Applicable to Hydraulic, EHAS, and EMA systems.

## Benefits:

- Significant reduction in Can Not Duplicate (CND) occurrences and life cycle costs.
- Enables more intelligent aircraft maintenance and overhaul decisions.

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