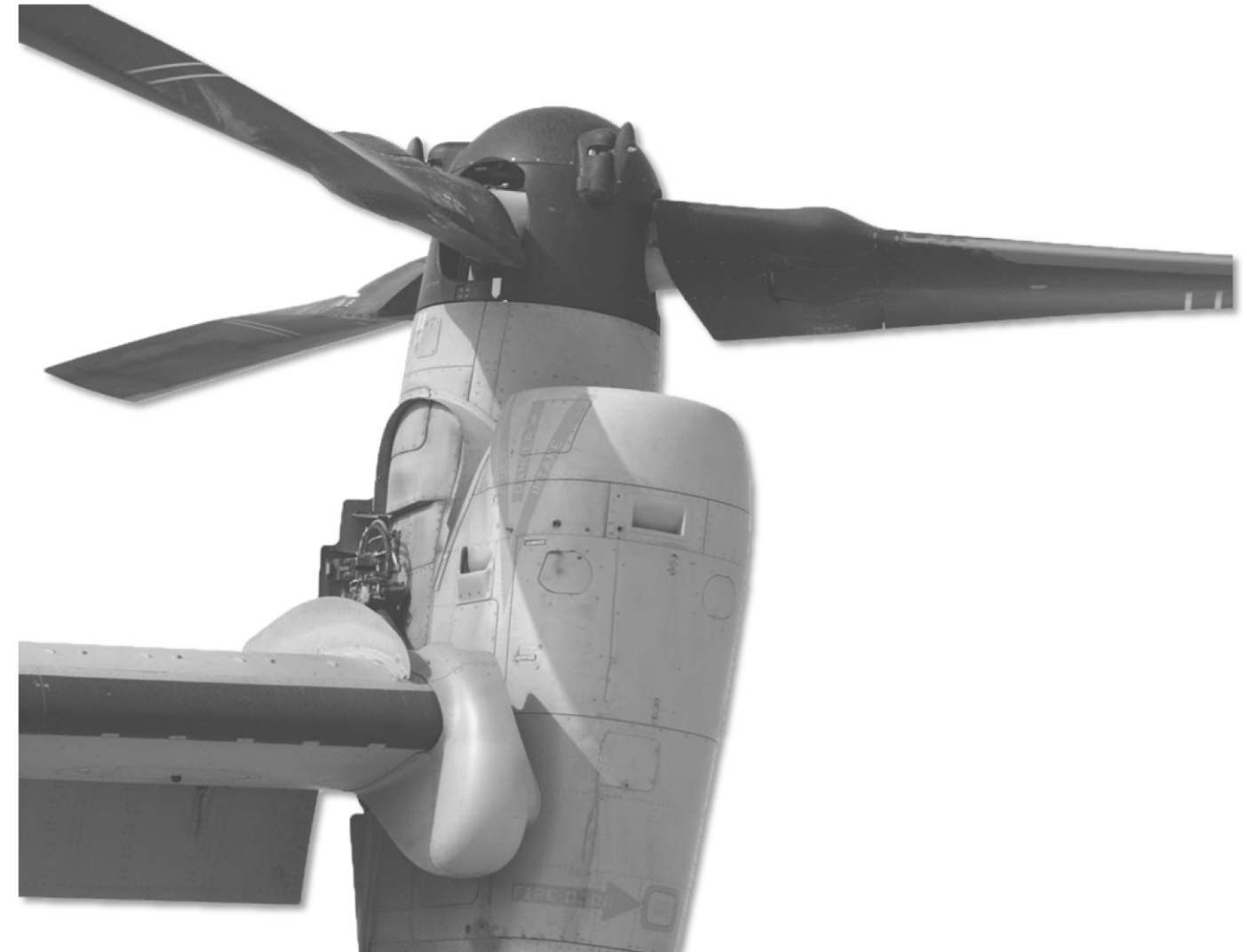




ID ADVANTAGE™ Life Cycle Management

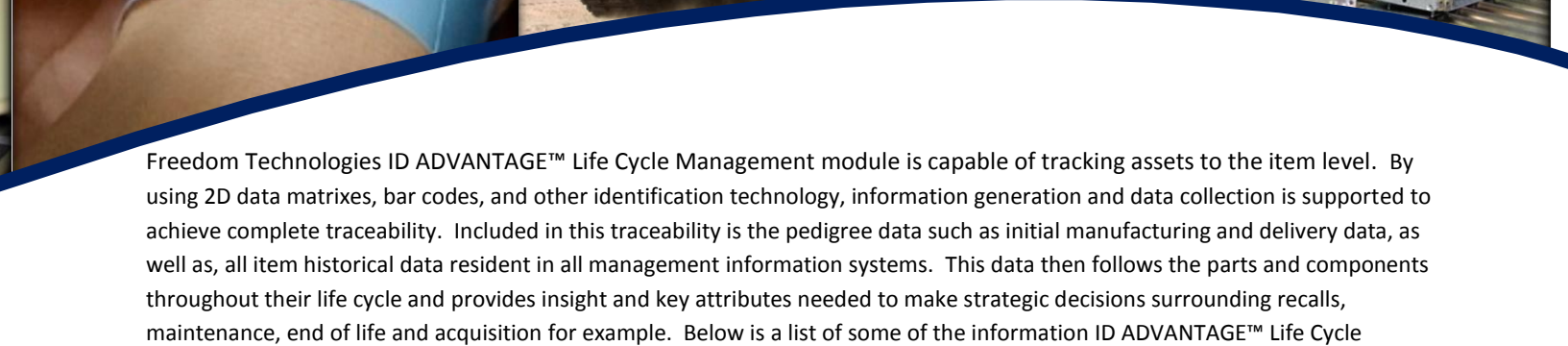


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ID ADVANTAGE[™] Life Cycle Management



Freedom Technologies has long served customers needing to track, trace, and manage serialized components. These components or parts can be as small as a bolt in a car's brake system to a piece of critical aviation equipment such as an engine stand, or weapon system supporting our war-fighters. Every product or part, component, assembly, tool, gage, device or system has its pedigree and life history. With a properly instituted permanent part marking solution and using Freedom's ID ADVANTAGE[™] Life Cycle Management module enormous benefits are gained for any enterprise, manufacturing, field service, or overhaul operation.

Benefit Example:

- Inventory control and proper location of critical parts and components thus reducing costs.
- Configuration management of capital intensive, highly engineered, complex equipment or systems which in turn will drive lower logistic support and life cycle support costs.
- Mission readiness or revenue generation of high dollar assets.
- Reliability by having mean time between failure (MTBF) data from the lowest serialized item level.
- Improved property audits and control - speedier financial reconciliation of leased or loaned assets.
- Alignment of critical tools, parts, mechanics, and instructions with planned work.
- Faster and more precise response to warranty and/or recall actions, thus reducing costs of such actions.
- Real time control and visibility of assets or property that may have a HAZMAT or Department of Energy (DOE) issue associated with them.
- Reduction of liability costs, contract penalties or regulatory fines associated with improper reporting of location, usage, shelf life, disposal, or decommissioning action.
- Where applicable: Faster and more accurate submittal of DD250 "sell off" document based on precise component – assembly detail required and reviewed by the DCMA.

Freedom Technologies ID ADVANTAGE[™] Life Cycle Management module is capable of tracking assets to the item level. By using 2D data matrixes, bar codes, and other identification technology, information generation and data collection is supported to achieve complete traceability. Included in this traceability is the pedigree data such as initial manufacturing and delivery data, as well as, all item historical data resident in all management information systems. This data then follows the parts and components throughout their life cycle and provides insight and key attributes needed to make strategic decisions surrounding recalls, maintenance, end of life and acquisition for example. Below is a list of some of the information ID ADVANTAGE[™] Life Cycle Management is able to track.

Examples of Component Replacement History

- Last component replaced and why.
- Estimated next component replacement date.
- Replacement location and labor tracking.
- Details satisfactory alternate parts.
- Provides supplier information on component.
- Determines if the part is new, rebuilt, re-life or zero time.
- Leased or purchased part.
- Any HAZMAT processes used.

Examples of Manufacturing Data History

- Labor tracking.
- Supplier information.
- Assembly history.
- Tools / gages involved.
- Calibration and service history for tools / gauges.
- HAZMAT chemicals used.

Parent/Child Data Including Tracking

- Tracking individual parts (parent – child associations and swap outs).
- Support system configuration management and any changes.
- Comparison between what was planned and what was installed, delivered and registered.
- Assure proper reporting and development of technical information, manuals, and DD250.

Examples of Service Data History

- Field entry date.
- Hours in operation.
- Next scheduled service.
- Part failures (MTBF).
- Part replacement.
- Warranty data.

Advantages of Freedom's ID ADVANTAGE[™] Life Cycle Management Module:

- IUID or ATA compliant software with a web interface for multiple facilities.
- Has the ability to import / export data in many formats (Excel, CSV, XML).
- Performs Life Cycle Asset Management and reporting out of the box.
- Integrates and submits data to Wide Area Work Flow (WAWF).
- Integrates and submits data direct to IUID Registry.
- Comes standard with Radio Frequency Identification (RFID) capabilities.
- Supports all data sources including 1D Linear, PDF 417, 2D Datamatrix and Direct Part Marking (DPM).
- Interoperates with all industry leading scanners and readers.
- Captures and records IUID or ATA part – component to upper assembly "Parent Child" relationships.
- Runs independently or can enhance a Property or Asset Tracking/Management System.
- Commonly implemented as "unlimited user" site – license.
- Integrates with all major IUID verification hardware, industrial UID / RFID printers, RFID portals, scanners, and devices.
- Can be easily modified to meet any strategic need and can eliminate any host – legacy system modifications.
- With the technology selected today will support your company as requirements mature.

ID ADVANTAGE[™] Life Cycle Management Architecture

