Automated Data Capture System

CACI's Automated Data Capture System (ADCS) is a user friendly, web enabled, interactive, mobile computing system that is an essential technology tool used by our varied customers to manage the inspection lifecycle of industrial equipment. Originally developed by CACI for the aviation maintenance industry, this solution is now available for all industrial users and features easily configurable table-driven screen labels, screen prompts, and business rule expressions. Inspectors use menu-driven checklists plus digital drawings during inspection and evaluation. Inspection challenges have now become solutions with the reliable technology, proven performance, and intuitive operability of ADCS.

ADCS is a proven solution for more accurate data, shortened inspection schedules, and effective knowledge management. ADCS allows users to issue real-time work and reports and can reduce inspection duration by 80 percent.

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For more information about our solutions, products, and services, visit:

www.caci.com

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Features

- Rapid implementation
- Enables handheld wireless data capture
- Data engineered to enhance analysis
- Integrated with shop floor systems to capture complete data
- Software data synchronization eliminates excessive drill downs
- User intuitive
- Dominant data points identified for user focus

Benefits

- Reduces turnaround time
- Increases production throughput
- Decreased repair times increases aircraft and engine utilization
- Enhances maintenance scheduling
- Reduces maintenance costs
- Interoperable with other systems
- Enhances reliability centered maintenance
- Quick return on investment

ADCS Demonstrated Performance

	Typical Legacy Environment	ADCS End State	Improvement Percentage
Inspection Duration	10-12 days	vs. 1-2 days	83%
Time to Issue Work	2 days	vs. 15 minutes	99%
Report Lead Time	30 days	vs. instantly	100%
Useful Data for Analysis	limited	vs. robust	significant

The ADCS Edge

Because it was designed by examiners, ADCS performs in the same way inspectors and evaluators think. ADCS eliminates manual data collection, and the associated time consuming data entry, transcription errors, and handwritten discrepancy sheets. It integrates legacy systems, so users no longer have to navigate multiple data entry points.

Gone are the days of wading through tens of thousands of codes to identify items requiring inspection. ADCS displays dynamically rearranged drop-down lists and auto-populated data that are instantly accessible. The result is a description of the fault or condition, recommended remedies including material and labor requirements that are electronically distributed for approval, material requisitioning, and issuing of work orders.

Employing ADCS, inspectors create immediate discrepancy records and produce real-time reports that fulfill customer and specification requirements. Information is uploaded to a central system for transfer to production control, scheduling, material ordering, and issuing. All fault and condition-related information is stored and arrayed in a database for easy and timely access by all stakeholders.

Data Engineering

- Approach designed to rapidly normalize data to enhance maintenance processes
- Develops simple and consistent ways to describe conditions and discrepancies
- Pre-engineers descriptions of historical conditions and defects, while allowing edits within the established business rules
- Pre-populates material and labor requirements

The Software

- Deploys mobile source data capture
- Integrates easily with other systems
- Provides ability to analyze defects and fixes at equipment and plant levels
- Utilizes pre-populated data and drop-down boxes
- Recalls historical defects and fixes, technical directories, drawings, material lists, and approval processes
- Pre-populates screens dynamically based on previous choices
- Runs on desktops, laptops, and handheld platforms

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EXPERTISE AND **TECHNOLOGY**
FOR NATIONAL SECURITY

CACI's approximately 23,000 talented employees are vigilant in providing the unique expertise and distinctive technology that address our customers' greatest enterprise and mission challenges. Our culture of good character, innovation, and excellence drives our success and earns us recognition as a *Fortune* World's Most Admired Company. As a member of the *Fortune* 1000 Largest Companies, the Russell 1000 Index, and the S&P MidCap 400 Index, we consistently deliver strong shareholder value. Visit us at www.caci.com.