

Engineering Information Management

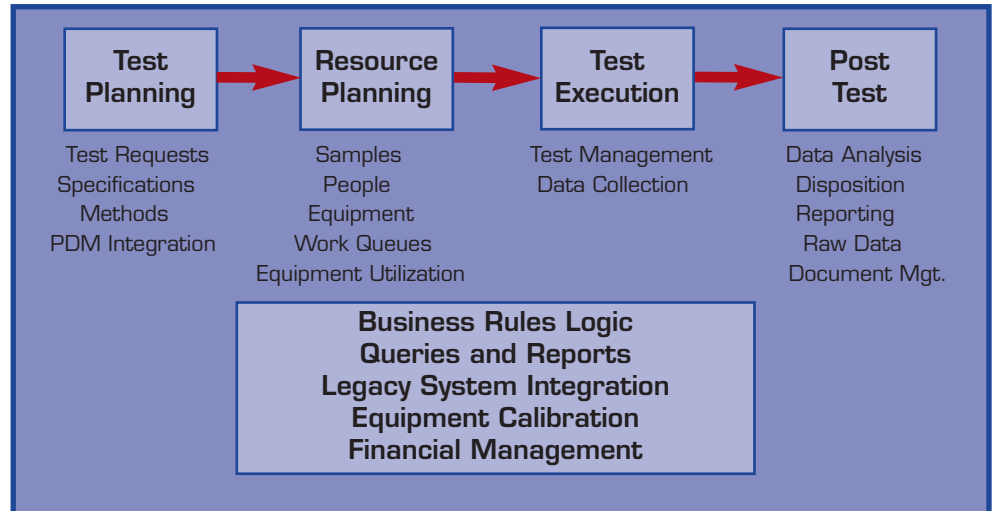
A World of Testing Experience, Proven IT Solutions

EIM solutions improve the efficiency and productivity of Test Planning, Test Execution, Post Test Analysis, and Document Management

TURN TECHNICAL DATA INTO ENGINEERING INTELLIGENCE

Investments in product testing have traditionally focused on data collection. However, it is the analysis of test data and the building of easily accessible knowledge assets that yield the greatest rewards. Key to getting the best possible return on this investment is the establishment of corporate best practices and ensuring information is managed with the greatest possible efficiency. The techniques and tools for creating and managing engineering intelligence, and the benefits that analysed design can provide, is the objective of the Engineering Information Management (EIM) division of V I Engineering.

V I Engineering is a proven software engineering and consulting firm providing computer based test and automation solutions for R&D, product engineering and manufacturing organizations. V I Engineering offers the unique combination of domain expertise in the test arena, and highly skilled IT resources. This unique combination of broad skills, along with a firm commitment to customer success, assure the delivery of powerful and robust EIM solutions.



Test related activities can be integrated into a unified system, easily accessed from a central repository through a web portal

V I Engineering provides software development services for companies trying to streamline their test operations and create efficiencies through the smart use of technology. Automation of test planning, execution, resource allocation, post test data analysis, reporting and document management are all application areas where V I Engineering excels.

V I Engineering understands the challenges associated with real-time data collection, accumulating large datasets and architecting software for enterprise wide application. V I Engineering's ability to intrinsically understand engineering needs, and communicate effectively, in both technologically advanced terms and plain english, offers a value proposition superior to common IT business solutions providers.

KEY BENEFITS

- ◆ Automate standard analysis and reporting
- ◆ Get faster, easier, access to data
- ◆ Build corporate knowledge assets
- ◆ Drive efficiencies throughout the design and testing process
- ◆ Manage resources more effectively
- ◆ Tight integration with enterprise data management software
- ◆ Eliminate wasteful re-testing and lost data
- ◆ Traceability and Configuration Management



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T.R.E.C.S.

Test Request Execution Configuration System

TRECS is a V I Engineering integrated software suite for managing test department activities. TRECS was developed specifically for automotive safety laboratories but is extensible to other test domains. The suite is comprised of three main modules:

Request Manager

- ◆ Detailed Test Request and Configuration
- ◆ Build Test Parameters and Objectives
- ◆ Instrumentation Interface
- ◆ System/Subsystem Mechanical Configuration
- ◆ Data Driven - Managed by Process Owners

Test Manager

- ◆ Manage and Control DAQ
- ◆ Self-ID for Transducers

AutoProcessing Manager

- ◆ Automated Analysis and Report Generation
- ◆ Test Results Analyzed Against Multiple Standards

Ford Motor Company has deployed the entire TRECS suite across five lab areas including Barrier, HYGE, Decel Sled and Component Laboratories with over 250 named users across North America, Europe and Australia. The web based solution allows users to test results against multiple regulatory standards.



Technology Platforms

Web Based Software Languages

ASP/JSP XML CGI

Web Servers

IIS iPlanet Apache

MiddleWare Tools

MFC COM/DCOM
Rougewave CORBA

Application Servers/Frameworks

WebSphere WebLogic
TRC JBoss
Orbix Struts

Methodology

SDP-21 CMM PMBOK

Databases and Modeling Tools

Oracle MS SQL Server
MS Access Ingres
Sybase TogetherSoft

Document Management

Documentum LiveLink

Configuration Management

ClearCase Visual SourceSafe
PVCS

Operating System

Solaris AIX HP-UX
Linux W2000

Software Languages

LabVIEW Test Stand
DIAdem Matlab
Visual C, C++ Visual Basic

V I Engineering

V I Engineering is an experienced systems integrator that provides automated test and measurement systems, engineering information management, and LabVIEW™ productivity tools to Fortune 500 customers in the automotive, life sciences, manufacturing, and aerospace industries. We are also a leading Select Integrator in National Instrument's Alliance program.

Engineering Services

V I Engineering designs and develops automated test and measurement systems. We provide technical specifications, custom programming, hardware integration, and turnkey applications that cover a very broad range of technical measurement capability and meet regulated industry requirements for validation and traceability.

VISTA™

VISTA is V I Engineering's branded line of software tools, process consulting, and advanced design training that improves programmers productivity and quality through the implementation of software engineering best practices for the development, management, and release of LabVIEW™ and TestStand™ applications.

Locations

V I Engineering's corporate headquarters are located in Farmington Hills, MI. with engineering offices located in White Bear Lake, MN. Indianapolis, IN. and Santa Monica, CA.

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