WORK SMARTER NOT HARDER

SYSTEM MODELLING TOOL

- INTEGRATED BATTLE COMMAND
- INTELLIGENCE & CYBER SECURITY
- GLOBAL COMBAT NETWORKS
- AIR DEFENCE
- BORDER, FACILITIES & FORCE PROTECTION
- BUSINESS SOLUTIONS
- BUSINESS SERVICES

Operators and maintainers are faced with an increasingly challenging environment in which they must accurately diagnose and rectify faults, first time, every time.

Intelligent Fault Diagnostics Toolset (IFDT) is a comprehensive suite of applications which assists your maintainers in accurately diagnosing faults in complex equipment and systems.

Combining IFDT with your maintenance management and technical publication systems provides an advanced, integrated and scalable solution to all your air, land and sea maintenance needs.

The System Modelling Tool (SMT) generates a model of a system describing the failures that can occur, the symptoms that may be observed, the probabilities of each failure occurring and the probability of a symptom being related to a failure.This model is then used with the Fault Isolation Tool (FIT) for maintainers to perform failure diagnoses.

Using probabilistic algorithms, IFDT quickly and consistently isolates system, sub-system and component faults regardless of their complexity. With each diagnosis, IFDT suggests the next most appropriate action for the maintainer to take.

IFDT enables No Fault Found (NFF) equipment removals, manpower numbers and maintenance hours to be reduced, whilst platform availability and reliability is increased.

BAE SYSTEMS

REAL INFORMATION. REAL ADVANTAGE.

IFDT consolidates your platform engineering information, automatically learns from your historic maintenance data and combines it with lessons learned over years of maintenance execution to deliver a single, configurable and verified "source of truth".

IFDT:

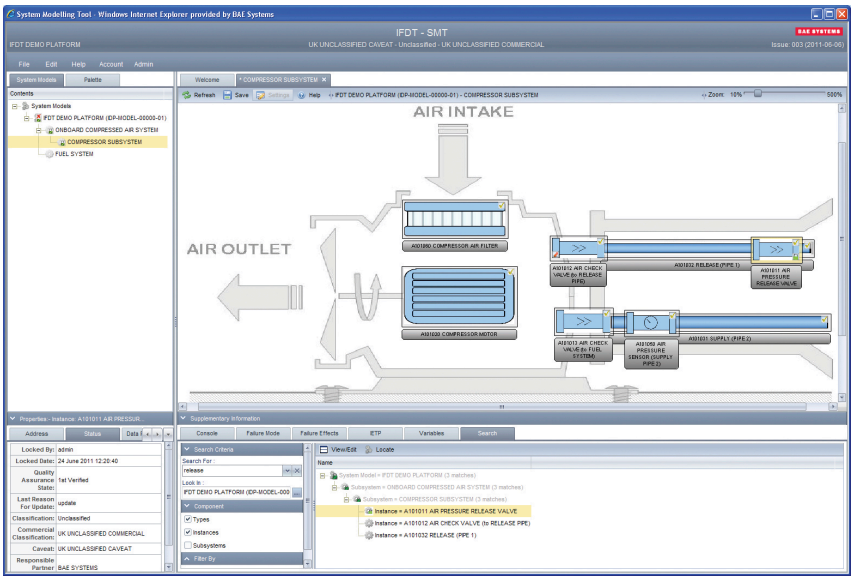
Delivers probability based reasoning diagnostics on complex Systems

Simplifies the creation of diagnosis models for any platform

Provides accurate diagnosis of faults from available symptom information.

Provides a learning capability to improve model accuracy based on historic maintenance data

Integrates with Maintenance solutions, including IETPs and MMS applications.



EXPLOITING THE KNOWLEDGE LOCKED WITHIN AN EXPERT MAINTENANCE ORGANISATION

SMT Features

Create probabilistic models of a system's failures and their resulting symptoms using an intuitive graphical interface
Collect data from many sources via generic data model – FMEA's, FMECA's, LSA, In-Service data
Improve collaborative working through the thin-client authoring environment which allows multiple teams to work on the same System Model
Baseline models and track the subsequent changes and apply applicability to allow models to be used for multiple platform variants
Automatically compare new source data to the content of existing system models and obtain suggested updates using the optional Learning Tool.
Define links to the technical publications tasks held in your trilogiView IETP browser.

Standalone or Client Recommended Specification

PC running Windows® XP (SP3)
Intel® 3.2GHz Dual Core Processor or equivalent
4GB RAM
40GB free hard disk 32 x / 16 x CD/DVD ROM drive
1024 x 768 x 32bit colour Display adapter - 32 bits colour
Mouse or equivalent
Keyboard or equivalent text input device

Thin Client Server Recommended Specification

Server running Windows Server 2008 (SP2)
Intel® 3.2GHz Dual Core Processor or equivalent
4GB RAM
40GB free hard disk 32 x / 16 x CD/DVD ROM drive
1024 x 768 x 32bit colour Display adapter - 32 bits colour
Mouse or equivalent
Keyboard or equivalent text input device

FOR MORE INFORMATION CONTACT:

BAE SYSTEMS plc
Alvington
Yeovil
Somerset
BA22 8UZ

Telephone: +44 (0) 1935 443000
Facsimile: +44 (0) 1935 443111

enquiries@baesystems.com
www.baesystems.com

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