

Anomaly Management System (AMS)

Brief Description: A Windows-based, client-server application for recording and monitoring anomalies. Anomalies are defects or events found during inspections and day-to-day operations that affect the integrity of various equipment/assets.

Front End Software: MS Access

Database Platform Supported: MS Access, Oracle, MS SQL Server (any version)

Functionality Details:

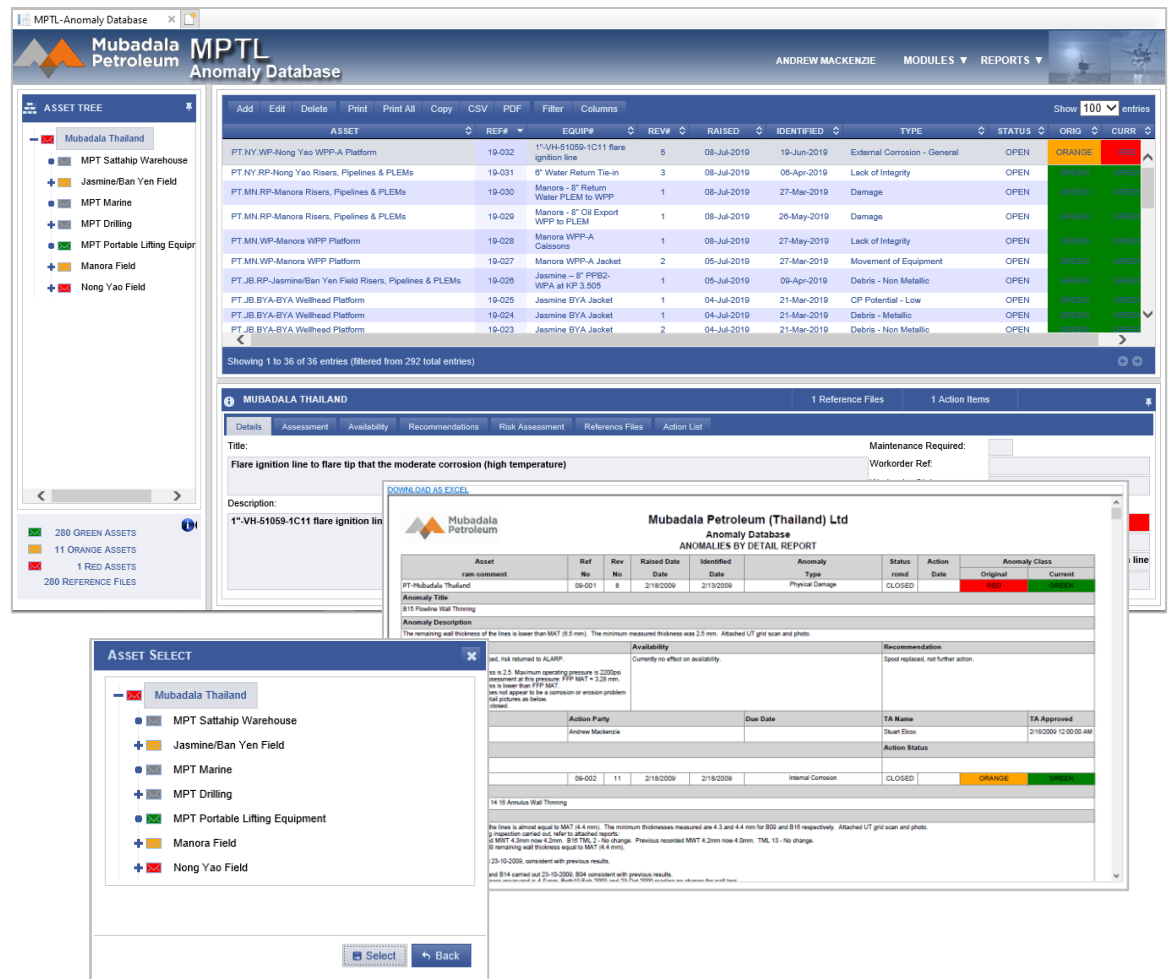
AMS leads the user through the process of recording, assessing and closing anomaly records.

Automatic reminder emails are sent out to staff whenever an action is required from them.

AMS features configurable, role-based user control. Users are only allowed to carry out actions when it is appropriate to their role.

The system uses traffic light coloring to highlight the status of each anomaly record.

AMS also features a flexible asset hierarchy that can be configured to suit the clients' asset base and integrity strategy.



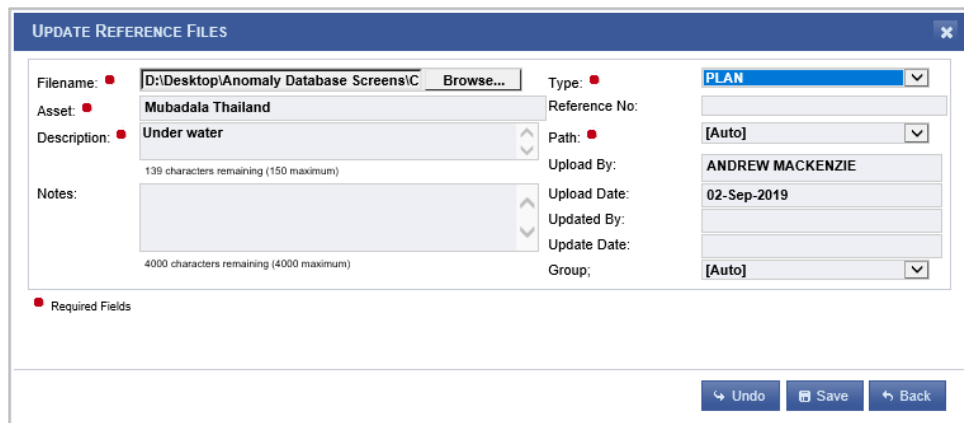
The screenshot displays the MPTL Anomaly Database interface. On the left is an 'ASSET TREE' showing a hierarchy for 'Mubadala Thailand' with sub-items like 'MPT Sattahip Warehouse', 'Jasmine/Ban Yen Field', 'MPT Marine', 'MPT Drilling', 'MPT Portable Lifting Equip', 'Manora Field', and 'Nong Yao Field'. The main window shows a table of anomalies with columns for ASSET, REF#, EQUIP#, REV#, RAISED, IDENTIFIED, TYPE, STATUS, ORIG, and CURR. Below the table, a detailed view of an anomaly is shown, including its title, description, and a table of actions taken. The interface also includes a 'DOWNLOAD AS EXCEL' button and a summary of asset counts (280 Green, 11 Orange, 1 Red).

ASSET	REF#	EQUIP#	REV#	RAISED	IDENTIFIED	TYPE	STATUS	ORIG	CURR
PT.NY.WP-Nong Yao WPP-A Platform	19-032	1"-VH-51059-1C11 flare ignition line	5	08-Jul-2019	10-Jun-2019	External Corrosion - General	OPEN	ORANGE	RED
PT.NY.RP-Nong Yao Risers, Pipelines & PLEMs	19-031	8" Water Return Tie-in	3	08-Jul-2019	06-Apr-2019	Lack of Integrity	OPEN	GREEN	GREEN
PT.MN.RP-Manora Risers, Pipelines & PLEMs	19-030	Manora - 8" Return Water FLEM to WPP	1	08-Jul-2019	27-Mar-2019	Damage	OPEN	GREEN	GREEN
PT.MN.RP-Manora Risers, Pipelines & PLEMs	19-029	Manora - 8" Oil Export WPP to PLEM	1	08-Jul-2019	28-May-2019	Damage	OPEN	GREEN	GREEN
PT.MN.WP-Manora WPP Platform	19-028	Manora WPP-A Caissons	1	08-Jul-2019	27-May-2019	Lack of Integrity	OPEN	GREEN	GREEN
PT.MN.WP-Manora WPP Platform	19-027	Manora WPP-A Jacket	2	05-Jul-2019	27-Mar-2019	Movement of Equipment	OPEN	GREEN	GREEN
PT.JB.RP-Jasmine/Ban Yen Field Risers, Pipelines & PLEMs	19-026	Jasmine - 8" PPEB-WPA at R/P 3.205	1	05-Jul-2019	09-Apr-2019	Debris - Non Metallic	OPEN	GREEN	GREEN
PT.JB.BYA-BYA Wellhead Platform	19-025	Jasmine BYA Jacket	1	04-Jul-2019	21-Mar-2019	CP Potential - Low	OPEN	GREEN	GREEN
PT.JB.BYA-BYA Wellhead Platform	19-024	Jasmine BYA Jacket	1	04-Jul-2019	21-Mar-2019	Debris - Metallic	OPEN	GREEN	GREEN
PT.JB.BYA-BYA Wellhead Platform	19-023	Jasmine BYA Jacket	2	04-Jul-2019	21-Mar-2019	Debris - Non Metallic	OPEN	GREEN	GREEN

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AMS includes the following specific functionality features:

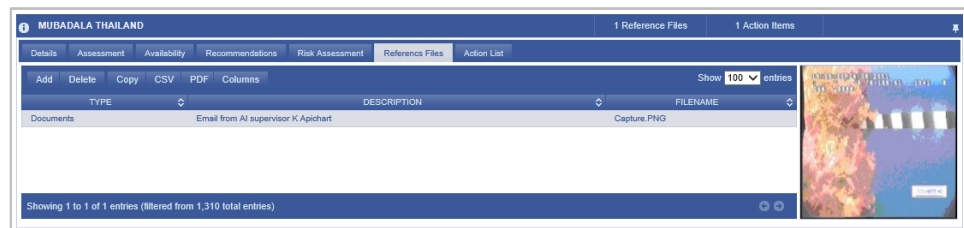
- Supports attachment and cataloguing of multimedia files and other reference files
- Paperless, process driven logic configurable to follow client's procedure
- User registration, role assignment, user rights assignment
- On-screen display and function permissions according to user role
- Configurable set of anomaly type and failure threat definitions to suit client requirement
- Event driven automatic email notification to configurable recipients
- Suite of reports



The screenshot shows a web form titled "UPDATE REFERENCE FILES". It contains several input fields and dropdown menus:

- Filename:** D:\Desktop\Anomaly Database Screens\C Browse...
- Asset:** Mubadala Thailand
- Description:** Under water
- Notes:** (Text area with 4000 characters remaining)
- Type:** PLAN
- Reference No.:** (Empty field)
- Path:** [Auto]
- Upload By:** ANDREW MACKENZIE
- Upload Date:** 02-Sep-2019
- Updated By:** (Empty field)
- Update Date:** (Empty field)
- Group:** [Auto]

At the bottom right, there are buttons for "Undo", "Save", and "Back". A legend indicates that red dots next to labels denote "Required Fields".



The screenshot shows a table view of reference files for "MUBADALA THAILAND". The table has columns for "TYPE", "DESCRIPTION", and "FILENAME".

TYPE	DESCRIPTION	FILENAME
Documents	Email from AI supervisor K.Apicharit	Capture.PNG

At the bottom, it states "Showing 1 to 1 of 1 entries (filtered from 1,310 total entries)". A thumbnail image of a fire is visible on the right side of the table.