



ENGIE: Enterprise Asset Management

SAPSA Spring IMPULS Online 2021- 19th April



Speakers



Pieter De Windt

Global Process Owner Asset
Management at ENGIE



Kajal Raulo

SAP Project Manager ,FOMC



Bala V

Head - SAP Services, LTI Europe



Sivakumar Kasi

Delivery Manager, LTI

ENGIE Group and Fadhili Operations and Maintenance Company

ENGIE Group



170,000 Employees



70+ Countries



€60 Bn Revenue

Core Business

Renewable Energies

Thermal Energy

Client Solutions

Infrastructures

Fadhili Operation and Maintenance Company (FOMC)

Industry
Cogeneration

Process Area
Operation & Maintenance

Country
Kingdom of Saudi Arabia

Fadhili Operation and Maintenance Company (FOMC) represents a stake holder partnership and has been contracted by the principal owner, Fadhili Plant Cogeneration Company (FPCC), to operate and maintain the Fadhili Cogeneration Power Plant

Net capacity

1,507 MW
Electricity Generation

1447 tons per hour of
LP steam generation

769 tons per hour
of water generation

ENGIE Journey towards World Class Asset Management Solution for Middle East entities

Digital Transformation Journey



What we wanted to achieve

Centralized business support function to serve business

Integrated and standardized business processes across the company

Automated business processes & reduced manual paperwork

Real time monitoring & reporting of financial transactions

Centralized & Shared master data across the business units

Global Rollout model for ENGIE power industries

Standardization using ENGIE golden rules and procedures

Deployment of scalable SAP innovative products



We engaged to do first implementation at FOMC

SAP Asset Manager enabled for effective Operation and Maintenance Activity

Core Finance configured aligning with **ENGIE Core Finance (Golden Rule)**

Inventory optimization for supply chain and warehouse for reducing inventory carrying cost, reduce inventory obsolescence and waste

CMDA Core Model Distribution Architecture aligning ENGIE global system releases and management



..and now we are in process to rollout the same in other Middle East Entities

Jomel

- Implementation In-Progress
- Go-Live July 2021

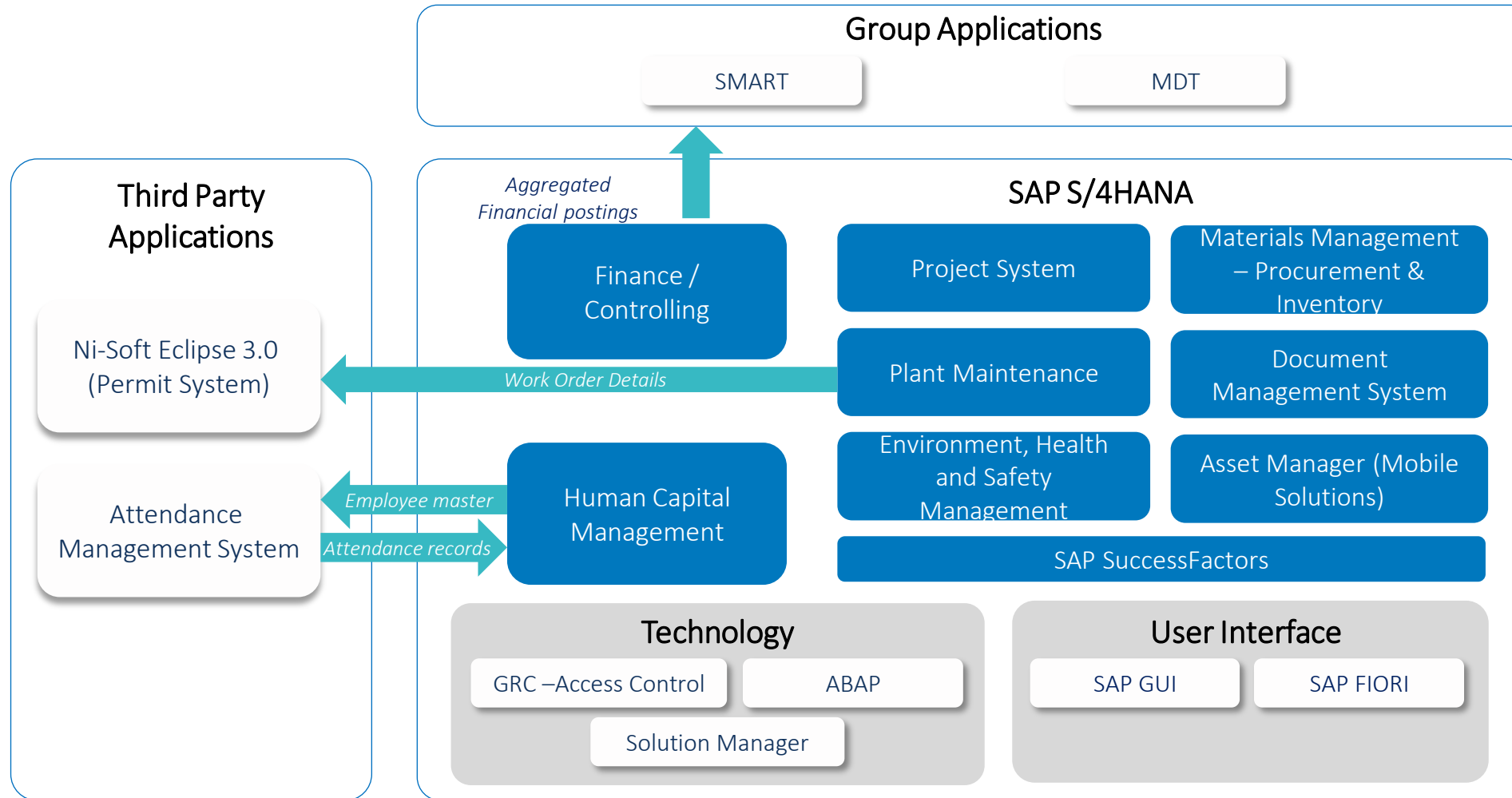
ENGIE Solutions KSA

- Implementation In-Progress
- Go-Live June 2021

ENGIE Middle East Asset Management program

	FOMC	Jomel	ENGIE Solutions KSA
Industry Type & Business Processes	Cogeneration	Utility - Generation	Facility Management
Common SAP Modules	FICO, MM, PS, DMS, HCM, Basis, GRC/Security		
Additional SAP Modules	PM, AM, EHSM	PM, AM, WCM, EHSM	SD
Unique processes / Modules	SAP Asset Manager (Mobile Solutions) SAP SuccessFactors	WCM in addition to the existing FOMC Template	Limited Sales & Distribution functionality in addition to the existing FOMC Template
Number of Users	100	175	60

A comprehensive solution architecture was built in FOMC



- SAP On Premise - 1909 FSP00 Version
- SAP Asset Manager 4.0 (Asset Central) – Round Management
- SAP Analytical & Operational FIORI Application
- Integrated with Work Permit System for Work Order Permit Management
- Harmonized ENGIE Core Finance Model with Central Finance and Controlling processes
- Enabled Maintenance as a Service through Mobility for optimized user experience

SAP Asset Manager – Business Solutions implemented in FOMC

Overview

- SAP Asset Manager is a new mobile app functionality leveraging the digital core with SAP S/4HANA
- Operation excellence, access accurate real-time information for business
- Managing Work Orders, Notifications, Material Consumption and Time management

Business Capabilities

- Designed for Cloud platform
- Online and Offline access to rich visualization
- Enable mobile app to employees' results in
 - 🔧 ○ Eliminate paperwork while reducing downtime and maintenance backlog
 - 🕒 ○ Performance of Asset will be improved by shortening the work cycles
 - 🔄 ○ Turn capital spending into operational investments using cloud deployment
 - 📱 ○ Manage existing work and asset data whether online, offline, or occasionally connected

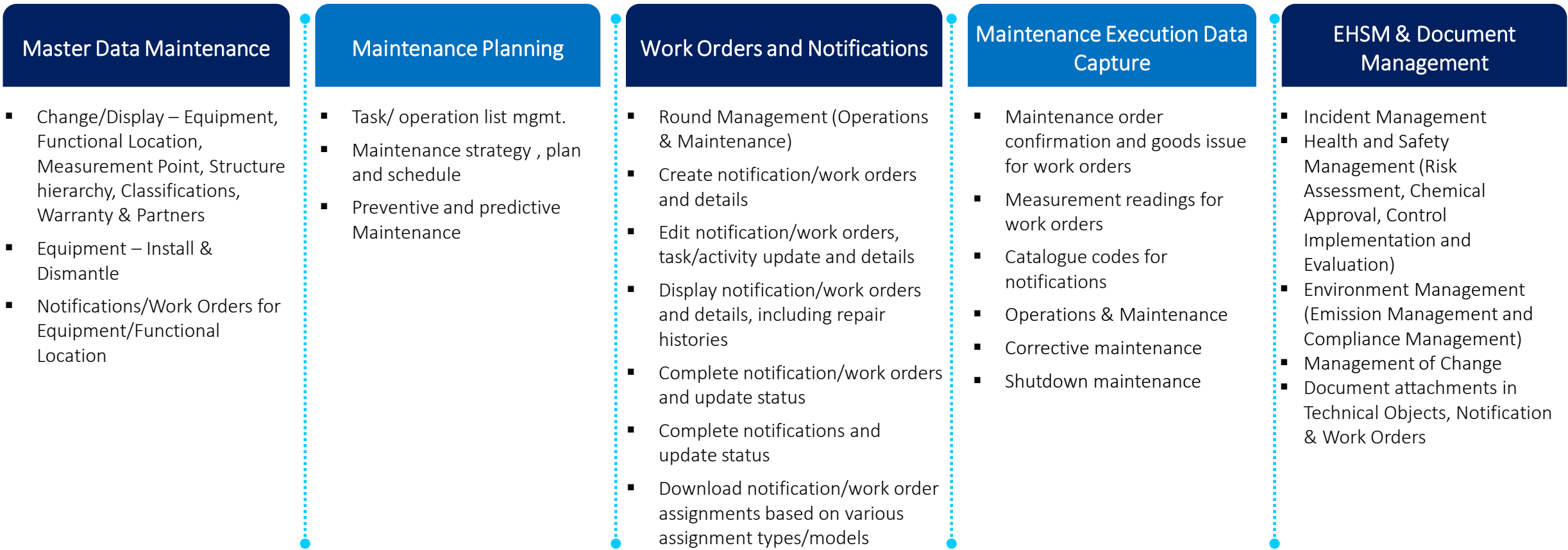
Key Business function in Asset manager

- Master Data Maintenance
 - Change/Display – Equipment, Functional Location, Measurement Point, Structure hierarchy, Classifications, Warranty & Partners
 - Equipment – Install & Dismantle
 - Notifications/Work Orders for Equipment/Functional Location
- Work Orders and Notifications
 - Round Management (Operations & Maintenance)
 - Create notification/work orders and details
 - Edit notification/work orders, task/activity update and details
 - Display notification/work orders and details, including repair histories
 - Complete notification/work orders and update status
 - Complete notifications and update status
 - Download notification/work order assignments based on various assignment types/models
- Maintenance Execution Data Capture
 - Maintenance order confirmation and goods issue for work orders
 - Measurement readings for work orders
 - Catalogue codes for notifications
- Document Management
 - Document attachments in Technical Objects, Notification & Work Orders

Key Challenges

- Mobile Development Kit (MDK) client build setups and SAP Cloud connectivity with S/4HANA (Technical Challenge)
- Process implementation and stabilization due to SAP new product
- SAP releases frequent MDK versions, client rebuild is required if any issue to fix

SAP Asset Management – Business Solutions implemented at FOMC



Enabled by FIORI Apps

296 FIORI apps activated

71 Analytical apps

26 Operations and Maintenance apps



Value delivered at FOMC

Improved reliability and performance of Asset by shortening the work cycles

Turned capital spending into operational investments using cloud deployment

Manage existing work and asset data in online and offline mode

Eliminated paperwork while reducing downtime and maintenance backlog

Online and Offline access with rich visualization



Key Take Aways..

Digitalizing and integrating all reporting functions

- ✓ We are in the process of digitalizing and integrating all reporting functions starting with Finance followed by procurement and operation/maintenance services
- ✓ Enabling integrated and single reporting based on real time information offering role based insights and visualization
- ✓ Management reporting decreased from 3 days to couple of hours

Co-innovation and develop new solutions (SAP Asset Manager)

- ✓ Driving forward co-innovation and jointly develop utilities industry specific solution

Q & A

[Contact for additional details](#)

Bala V

bala.v@Intinfotech.com

