

ENGAGING **PLACES**
FOR A BETTER **LIFE**

Value delivered for **RENEWABLE ENERGY ASSET**

eFM supports the many complex phases of Energy Production to ENSURE CRITICAL ASSET COMPLIANCE AND AVAILABILITY, MINIMIZING OPERATION AND MAINTENANCE COSTS, GUARANTEEING A CONTINUOUS, COST EFFECTIVE SUPPLY OF ENERGY.

Optimize Asset Availability & Efficiency

Energy Production is becoming more competitive with more participants per project
Lengthy financial and multiple engineering solutions require close management process oversight
Complexity of project origination, development, construction, Asset Management cycle requires close management cost control
EIA conservative estimates forecast renewable generation increase from 717 TWh in 2017 to 1,650 TWh in 2050

eFM Value Added Services

BD & EPC MANAGEMENT

Business Development:

GIS Mapping
Land agreements, & authorization processes
M&A (SPV Due diligence)

Engineering & Construction:

Project Management
Procurement
Project dashboards of active contracts/acres/landowners
Plant Commissioning

ASSET MANAGEMENT

Technical:

Asset Performance Monitoring & Reporting
Oversight / Management of O&M provider

Financial:

Landowner agreements and due date monitoring
Billing, Collection and Payments
Interface with ERP Accounting System & Reporting
Tax calculation / filing / administration

O & M MANAGEMENT

Operations:

Plant supervision (performance monitoring, SCADA integration, guarantees management)
Plant Operation (power & energy forecasting)

Performance Engineering (Performance analysis, predictive maintenance dispatch)

Maintenance:

Parts inventory and ticket management.
Maintenance schedule and management (General site maintenance)

Health & Safety

Compliance Management, general **dashboarding**, **Financial** Analysis Console

eFM Technology Enabled Services

MOBILE
SERVICE
MONITORING



SCADA
INTEGRATION



BUILDING
INFORMATION
MODELING
(BIM)



MACHINE
LEARNING &
PREDICTIVE
MAINTENANCE



GIS
REPRESENTATION
AND REMOTE
CONTROL
(DRONES)



IOT-BASED
PERFORMANCE
MNG

eFM Value added

eFM HAS MANAGED RENEWABLE ENERGY ASSET FOR **1600 PLANTS** AND A TOTAL INSTALLED CAPACITY of **14 GW IN 3 CONTINENTS/17 COUNTRIES**

eFM HAS CURRENTLY UNDER CONTRACT SERVICES FOR **ENERGY FIRM** FOR **OVER 25 MLN SQT FEET**

OUR SOLUTION HAS MANAGED **6.000 LEASE AGREEMENTS** AND COSTS FOR OVER **60 MLN USD TRANSACTIONS/YEAR WORLDWIDE**

eFM experience

USA: 2.500 Lease contracts for a total annual amount of 45 Mln USD of calculated rent, based on SCADA measures

Italy: more than 60.000 managed parcels for a total amount of 100 Mln USD taxes paid. 8.000 concession rent calculation for an annual total amount of 170 Mln USD

Brazil: Cadastral survey of infrastructures and georeferencing to legal regularization of 21 hydroelectric plants, about 140 Mln square feet. 70.000 facility work requests managed

Worldwide: 65.000 documents linked to plants, which include 6.000 under compliance management



eFM profile

eFM was founded in 2000 with the aim of renovating the Real Estate market and improving people's well-being in the workplace, eFM offers high-level technological solutions aimed at achieving the real estate digital transformation. eFM provides innovative solutions developed by integrating its own skills within the framework of consulting, engineering services and IT systems.

MYeFM
PLATFORM
& PIER



For **RENEWABLE ENERGY MARKET**

In the renewable energy field, eFM manages all stakeholders on the MyeFM™ Platform providing value added to investors, developers, providers and users.

eFM's key capability is to provide a single digital monitoring system created to analyze, exchange and execute in a single connected digital platform. eFM-PIER seamlessly connects all stakeholders, removes reporting complexities, and creates transparency during the complete asset life cycle



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