

# EMC CONSULTING SERVICES FOR ENGINEERING, PLANT, AND FACILITIES MANAGEMENT (EPFM)

Lower risk, ensure compliance, and maximize productivity

## ESSENTIALS

### Strategies for Success

- Accelerate time to value with EPFM best practices
- Ensure regulatory compliance
- Develop improved workflow management
- Enhance collaboration to contain costs
- Optimize operations and maximize productivity



Today's energy needs far exceed our expectations of 30 years ago. To keep up with demand, energy companies from exploration to utilities are finding it increasingly challenging to not only meet the demand, but also plan for the future supply.

## Energy Value Chain & Industry Trends



- |                                                                         |   |                                                                                         |
|-------------------------------------------------------------------------|---|-----------------------------------------------------------------------------------------|
| • Optimize production at existing or rehabilitated plants               | ➔ | • Access up-to-date information critical for reducing downtime                          |
| • Meet HSE, EPA and other regulatory requirements, as controls increase | ➔ | • Regulatory compliance via secure, robust content management, retention and eDiscovery |
| • Reduce operational, safety and process risk                           | ➔ | • Content and retention, records management of high-value content (SOPs, P&IDs, etc.)   |
| • Maximize oil and gas reserve ratios by improving E&P processes        | ➔ | • Collaborative process improvement and search relevance is key                         |
| • Capture knowledge ("the great crew change")                           | ➔ | • Focus on knowledge management and collaboration                                       |

## BUSINESS CHALLENGE

The energy industry has a critical need to address the challenges of designing, operating, and maintaining large plants and facilities. Faced with increasing competition and regulation, energy companies need fast, reliable access to up-to-date information in order both to optimize production at existing or refurbished plants and reduce operational and safety risks.

The exponential growth of data being generated, with no corresponding growth in capacity, only exacerbates the problem. Workforce demographic changes have put increased pressure on Operations and IT staff members to ensure that timely engineering, plant, and facilities information is incorporated into the ongoing management and maintenance processes of capital assets utilized across the energy lifecycle.

## SERVICE DESCRIPTION

EMC Consulting provides a complete portfolio of services to address the challenges of managing complex information and processes related to engineering, plant, and facilities management (EPFM) in a cost-effective and repeatable manner. Our consultants and architects have the design, analytical, architectural, technical, and project management skills to help you protect information, streamline operations, ensure regulatory compliance, and optimize operations and productivity. EMC Consulting leverages proven execution methodology, best practices, and project delivery templates to ensure quality and accelerate implementation.

Specializing in providing expert counsel to our customers in the energy industry, EMC helps customers take EPFM solutions from concept to reality. Our comprehensive EPFM service offering assures success at any point—from initial planning stages through deployment, operational support, and management. EMC® Consulting Services for EPFM includes the following.

### PLAN

EMC Consulting EPFM planning services help you to envision and align your company's business goals and objectives; define a logical roadmap for designing, building, and running your facilities in a manner conducive to optimizing operations and costs.

### OPERATE

Our operations services provide you with the information you need to improve processes, empower project managers, and create an EPFM information architecture that enables simple extension to other departments, such as drilling, operations, HR, legal, IT, and finance. Our solution delivers:

- A highly project-centric and repeatable process
  - Management of large numbers of documents in many different formats
- A structured process for transmitting documents to clients and partners
  - Collaboration among many parties with significant compliance demands
- Alignment to project break-down structures in both EPC and operational phases
  - Streamline the project documentation hand-over process and break down structures to the operations group
- Report on progress milestone claims, ensuring correct revenue streams
- Empowerment of project controllers to configure functionality without need to involve IT
- Management of as-built documentation and integration to maintenance management systems

### MANAGE AND COMPLY

When it comes to addressing compliance and governance, EMC Consulting has a proven track record of developing successful methodologies and helping customers apply industry best practices to their pipeline, plant, platform, and facilities management.

- **Process Safety Management for Pipelines**
  - Enable knowledge workers to ensure safe pipeline operations employing EMC Consulting's collaborative tools, workflow, and content and records management
  - Empower your operations staff to make modifications to your pipeline and storage facilities while maintaining OSHA compliance with EMC Process Safety Management for Midstream Operations
- **Midstream Regulated Products and Services Solutions**
  - Automate and streamline the entire lifecycle of your content, from creation and processing to publishing and administration
  - Ensure that you have built-in safeguards to protect content from inappropriate use or disclosure, yet enable regulators, auditors, and employees to access it as necessary
- **Increased Uptime in Downstream Refinery Operations**
  - Decrease plant downtime through more effective plant maintenance and management
  - Benefit from strong workflow management processes, as well as process maintenance planning

- Eliminate unexpected shutdowns and breakdowns
- **Faster Time to First Oil**
  - Gain significant cost savings through tools that enable project participants to share critical project and platform construction planning data

## SERVICE VALUE

EMC is a leader in the energy sector. Our consultants have the expertise and experience to refine and translate your company's strategic vision for energy plant and facilities management.

### EXPERIENCED TEAM

- Thousands of consulting engagements delivered to Global Fortune 1000 companies
- A proven track record of successful customer engagements in the energy industry
- Over 2,000 consultants worldwide supporting your business, infrastructure, and applications needs
- Supplemented by ~12,000 EMC Global Services professionals

### EMC CONSULTING HELPS ENERGY COMPANIES

- Reduce time to build as new pipelines, platforms, and plants are developed
- Control operational costs and IT spend to stay within budget
- Develop improved information sharing and collaboration methodologies
- Provide better workflow
- Improve processes for forecasting supply and demand based on realtime production data
- Maintain validation and quality control through integration of data, workflow management, and processes
- Create better process for project delivery and management
- Resolve non-integrated and underutilized data silos which are causing costs to escalate
- Comply with stringent regulations, including OSHA and ISO standards

## EMC CONSULTING

As part of EMC Corporation, the world's leading developer and provider of information infrastructure technology and solutions, EMC Consulting provides strategic guidance and technology expertise to help organizations exploit information to its maximum potential. With worldwide expertise across organizations' businesses, applications, and infrastructures, as well as deep industry understanding, EMC Consulting guides and delivers revolutionary thinking to help clients realize their ambitions in an information economy. EMC Consulting drives execution for its clients, including more than half of the Global Fortune 500 companies, to transform information into actionable strategies and tangible business results. More information about EMC Consulting can be found at [www.EMC.com/consulting](http://www.EMC.com/consulting).

### CONTACT US

To learn more about how EMC Consulting services can help solve your business and IT challenges, contact your local EMC Consulting representative or visit us at [www.EMC.com/consulting](http://www.EMC.com/consulting).

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