

SHABBIR SIDDIQUE

Multidisciplinary Team, Technology & Project Leader in Power Generation Sector

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TECHNICAL & MANAGEMENT CORE

Summary

Working for the OEM, Long-Term Service Provider & the Operator, in many and varied capacities, I have delivered on significant aspects of O&M, CSA & PPA / PWPA performance at major Combined Cycle Power & Water Generation Assets.

Being enthusiastic about technology, I am excited about the technological & business opportunities developing in the sector & am driven to prepare for, gain from, & contribute to the change.

Team Management

Team Management | Situational Leadership | Knowledge & Performance | Project Managers, Experts & Engineers | Diverse | Multidisciplinary | Multinational

Business Process Management

Digitalization | Economic Operations | Cost-Benefit Analysis | Cost Optimization | Systems Improvement | Communications & Reporting | Operational Excellence

Maintenance Management

Strategy & Performance | Spares & Services | HSE & Quality | Outages & Budget | Contracts & Contractors | CMMS

Contract Performance Management

CSA | LTSA | LTPRA | PWPA | PPA | OMA | EPC

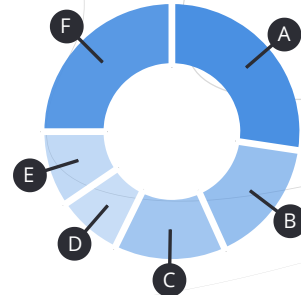
Project Management

Scope & Feasibility | Time & Budget | Commissioning | Upgrades | Capital Expenditure | Risk & Opportunity | Technology & Obsolescence

Asset Management

Integrity | Reliability | Health | Change Management | Process Safety | Reliability Based Maintenance (RBM) | Total Plant Optimization (TPO) | Condition Monitoring | Life Assessment

CAREER SNAPSHOT



- A Engineering Manager
- B Engineering Lead
- C Reliability & Availability Engineer
- D I&C Engineer
- E Contract Manager (Interim)
- F Maintenance Engineer

HIGHLIGHTS

Financial Improvements

Operational Reliability Improvements | 1.1M+ MWh (2.6%) | 7.3M+ m3 of water (1.2%) | \$17M+ over two years

Cost Reduction in Ammonia | \$1M+ in three years | 25%+ reduction in cost

Annual Capital Expenditure Management of \$2M+ | 10-15% improvements in cost

Projects as Solutions

- Drum Level Control Redesign | \$1.2M+
- Historian Redesign | \$500k+
- Gas Control Valve Redesign | \$400k+

Techno-Commercial Analysis

- AGP, Sliding P2, DLN2.6+ | \$40M+
- Redundant Water Export | \$15M+
- Local Ammonia Production | \$1.5M+

EXPERIENCE

Technical Asset / Engineering Manager

JOMEL (ENGIE), Marafiq IWPP

📅 2012 - Ongoing 📍 Jubail, Saudi Arabia

2750 MW / 33,333 m³/hr IWPP | 9x3 Sidem MEDs | 3x4 GE 7FA+e DLN 2.6 Gas Turbines | 3 GE Back Pressure Steam Turbines | GE Condensing Steam Turbine | Mark VIe TCS & DCS | 16 TMR & 25 DMR Controllers

- Steer the development of O&M Engineering & Asset Management Strategies and influence adoption in broader O&M organization
- Manage the CSA contractor for execution of technical services, issues resolution, quality & TIL management
- Manage a dedicated team of Engineers, Subject Matter Experts & Project Managers
- Develop local skills for broader ENGIE objectives in the region concerning:
 - service internalization
 - BD opportunities,
 - and knowledge management
- Define and ensure operational excellence in areas of people, plant, and processes through review and improvement
- Earlier Roles:
 - Reliability and Availability Engineer
 - I&C Technology Lead

Team Leader, I&C

GE Energy (Power and Water)

📅 2009 - 2012 📍 Lahore, Pakistan

234MW IPP | 2x GE 6FA+e DLN 2.6 Gas Turbines | Skoda Steam Turbine | GE Mark VI GTCS | Siemens Simatic S7 STCS | Siemens Simatic PCS7 DCS | 2 TMR & 5 DMR Controllers

- Execute maintenances strategies (SSOW, CMMS, Outages, Defect Resolutions & Facility Improvements, Training and Development)
- Lead Contractual Reporting of Maintenance, Warranties, and Projects to the Owner and Higher Management
- Manage parts and services for outage representing the contractual services provider
- Additional Roles:
 - Maintenance Manager (Interim)
 - Contract Performance Manager (Interim)
 - Trip Reduction Coordinator (regional IPPs)
 - IT Business Lead

I, Electrical Engineer

WAPDA, Muzaffargarh Power Station GENCO III

📅 01/2008 - 02/2008 📍 Multan, Pakistan

1,340-megawatt (MW) furnace oil and natural gas-powered station | 3x 210 MW, 2x 200 MW, and 1x 310 MW

HIGHLIGHTS



Technical Expertise

RCAs | Steam Turbine Overspeed | Critical Plant Common UPS Failure | Main Export Water Line Failure | Gas Turbine Nozzle Burning | Generation Transformer Failure | HRSG Tube Leaks

2017: Awarded for Innovation and Processes contributing to Fastest Major on a 7FA Gas Turbine (18 Days)

2013-2014: Awarded for Outage Support Excellence for efforts in HGPIs, COP Upgrades, and Liquid Fuel Commissioning

2011-2012: Awarded for GE Excellence in Expertise, Reliability & Customer Satisfaction



Leadership

2016: Only non-Manager (at the time) selected for the ILM3 Program

2009-2012: Additional leadership roles (IT Business Lead, Trip Reduction Coordinator (regional), Interim Maintenance & Contract Performance Manager, Outage Manager - 2x6FA CIs)

2009-2012: Delivered on the implementation of RBM aspect of TPO (FMEA, Criticality Analysis, Maintenance Plans, and KPIs)



System Development

2009-2012: Set up the I&C Department | Framework & Strategy for Custody Handover | Punchlists | Warranties | Tools & Inventory | Team | Training & Development | Facilities Improvement Planning | Maintenance Strategies

2012-2016: Established Engineering Processes for Techno-Commercial Management of Change | Projects Feasibility & Management | Incidents | Contracts & Contractors | Risk Management

2016-Present: Led a successful (ongoing) Digital Transformation of HSE, Operations, Warehouse & Security processes | Lean Organization | 10x HSE Reporting | Savings of 5000+ Man-hours annually | Remote Inspections | Semi-Autonomous Maintenance

COURSES & CERTIFICATIONS

NEBOSH

International General Certificate in Occupational Health and Safety

Aladon Network

Reliability Centered Maintenance Facilitator

ILM

Leadership & Management Level 3

ASME

Plant Inspector Level 1

NCEES

Professional Engineer (Controls)

IOSH

Managing Safely

Bureau Veritas

Auditor 9001 | 14001 | 18001

VPPPA Inc

Human Organizational Behavior

GE Energy Learning Center

- Outage Excellence – CPM
- Mark VIe GT Advanced Controls
- Pro-Active Trip Avoidance

SIDAT Automation

Siemens PCS7 Advanced

CONTINUING EDUCATION

ENGIE University

- Finance - Non Financial Managers
- Coaching & Mentoring
- Digital Awareness

Duke University

- Utilities Operations and Markets
- O&G Operations and Markets
- Renewable Energy and Green Building Entrepreneurship

Delft Technology University

Solar Energy Engineering
MicroMasters

NY State University

Energy Production, Distribution & Safety

University of Illinois

- Strategic Leadership & Management
- Managerial Economics & Business Analysis
- Value Chain Management
- Financial Management
- Global Challenges in Business
- Innovation & Entrepreneurship

Affiliations / Memberships

- Saudi Council of Engineers (SCE)
- The International Society of Automation (ISA)
- Society for Maintenance & Reliability Professionals (SMRP)
- Project Management Institute (PMI)
- American National Standards Institute (ANSI)
- Crotonville Management University

EDUCATION

Bachelor of Electrical Engineering

National University of Sciences & Technology (NUST)

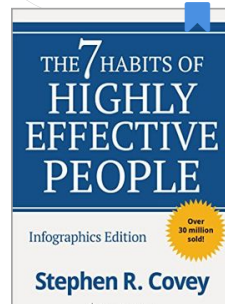
📅 2005 - 2009 📍 Pakistan

Pre-Engineering High School Diploma

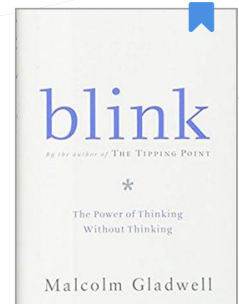
Army Public Schools & Colleges

📅 2003 - 2005 📍 Pakistan

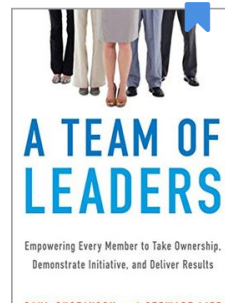
BOOKS



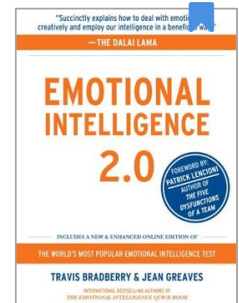
The 7 Habits



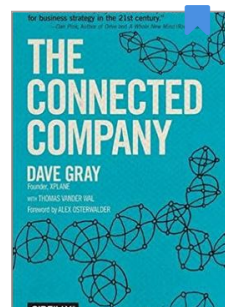
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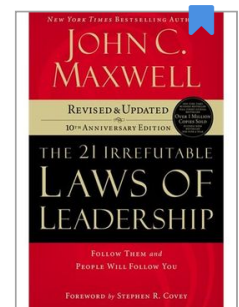
Team of Leaders



EQ 2.0



Connected Company



21 Laws of Leadership