

# Power Generation Knowledge Centre

Power Plants, Boilers, Steam and Gas Turbines. Generators, Combined Cycle, Cooling Water, District Cooling or Heating Systems

## 5 Days (1 Week) Training Programs List

Program Code	Program Name (Click to Access Website Brochure with Current Dates)	Program Content Summary
CGP3355	Coal Gas Plants - Technology, Feasibility, Planning and Implementation	Under Revision. Please see <a href="http://www.eurotraining.com/plist/psumm/energy-training-summ-1w.pdf">www.eurotraining.com/plist/psumm/energy-training-summ-1w.pdf</a> or email: <a href="mailto:regn@eurotraining.com">regn@eurotraining.com</a>
GPW3125	Boiler Tube Failures and Boiler Maintenance	This program provides you a multi-discipline understanding of Boiler Tube Failures with practical exposure through discussion of case studies. , Program covers the issues of interest to both Technical and Managerial Staff on Keeping Your Boilers Safe, Operational & Professionally Maintained., Boiler Management Issues, The Boiler Technology, Boiler Common Failure Modes, Failure Analysis for each Failure Mode: Location; Critical Factors; Identification; Eliminations; Cautions; Management, Corrosion in Boilers, Erosion, Cavitation, Weld & Installation Defects, Maintenance- Preventive & Shutdown, Boiler Condition Monitoring, Boiler Operational Processes, Boiler Maintenance Processes, Boiler Performance Evaluation, Boiler Facility Improvement, Program Recommendations
INS6725	Electrical Engineering Project Construction Inspections Skills	This program aims to provide the participant Electrical Construction Inspection Skills. He will become familiar with the Industry Standards, Methods and Quality Problems., He will develop knowledge of Inspection Investigation Methods and Skills. Program Covers all types of Electrical Construction., The Electrical Construction Inspection Issues, Electrical Inspection Methodology : Types; Methods; Tests; Statistical Methods, Electrical Construction Standards: Technical Standards; Management Standards; Audit Standards, Electrical Construction Inspection Checklists, Inspection Related Contractual Issues on Electrical Construction: Administration Issues; Liabilities of the Parties; Inspection Claims; Dispute Resolution, Planning & Control of Electrical Construction: Inspection Planning; Inspection Scheduling; Inspection Monitoring and Quality Control, Quality Assurance System for Inspectors, Electrical Construction Inspection Tools and Technologies, New Tools & Technologies for Electrical Construction Inspectors, Inspection Good Management Practices, Electrical Construction Inspection Best Practice Ideas, Electrical Construction Inspector Qualification System: Industry Standard; Organizational Standard, Electrical Construction Inspection Knowledge Management System, Program Recommendations

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PAM9505	Effective Electrical Power Asset Management to International Standards	Under Revision. Please see <a href="http://www.eurotraining.com/plist/psumm/energy-training-summ-1w.pdf">www.eurotraining.com/plist/psumm/energy-training-summ-1w.pdf</a> or email: <a href="mailto:regn@eurotraining.com">regn@eurotraining.com</a>
PCM5305	Condition Monitoring and Management of Power Plant Equipment	Under Revision. Please see <a href="http://www.eurotraining.com/plist/psumm/energy-training-summ-1w.pdf">www.eurotraining.com/plist/psumm/energy-training-summ-1w.pdf</a> or email: <a href="mailto:regn@eurotraining.com">regn@eurotraining.com</a>
PCM5325	Vibration Monitoring, Analysis and Management of Power Plant Rotating Equipment	Under Revision. Please see <a href="http://www.eurotraining.com/plist/psumm/energy-training-summ-1w.pdf">www.eurotraining.com/plist/psumm/energy-training-summ-1w.pdf</a> or email: <a href="mailto:regn@eurotraining.com">regn@eurotraining.com</a>
PDS6405	Understanding Technology Behind Modern Electrical Power Systems and Equipment	Under Revision. Please see <a href="http://www.eurotraining.com/plist/psumm/energy-training-summ-1w.pdf">www.eurotraining.com/plist/psumm/energy-training-summ-1w.pdf</a> or email: <a href="mailto:regn@eurotraining.com">regn@eurotraining.com</a>
PDS6505	A-Z of Generator Excitation Systems	Under Revision. Please see <a href="http://www.eurotraining.com/plist/psumm/energy-training-summ-1w.pdf">www.eurotraining.com/plist/psumm/energy-training-summ-1w.pdf</a> or email: <a href="mailto:regn@eurotraining.com">regn@eurotraining.com</a>
PEM1095	Designing Competitive National Electricity Markets	This is a step-by-step approach for Privatization of Public or Creating Competition in Monopoly Electricity Markets. It provides a 360 degree Understanding of the Issues Involved, Structures that have Worked and Challenges You Will Face., This program is intended for Regulators, Policy Makers, System Operators, Strategic Investors, Independent System Operators (ISO), The Challenges in Privatization & Breaking Up of Monopolies, Guiding Principles for Competitive Markets, Strategic Aspects, Legal & Regulatory Aspects, Possible Market Designs, Segmenting Markets, Efficiency Aspects, Improvement Incentives, Auctions, Public Private Partnership (PPP) Arrangements, Step by Step Approach to Privatization of Electricity Market, Program Recommendations

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PEQ3405	Managing Troubleshooting and Maintenance of Electrical Equipment	Under Revision. Please see <a href="http://www.eurotraining.com/plist/psumm/energy-training-summ-1w.pdf">www.eurotraining.com/plist/psumm/energy-training-summ-1w.pdf</a> or email: <a href="mailto:regn@eurotraining.com">regn@eurotraining.com</a>
PEQ3505	Managing Installation of Electrical Equipment and Control Systems	Under Revision. Please see <a href="http://www.eurotraining.com/plist/psumm/energy-training-summ-1w.pdf">www.eurotraining.com/plist/psumm/energy-training-summ-1w.pdf</a> or email: <a href="mailto:regn@eurotraining.com">regn@eurotraining.com</a>
PNT7005	Latest Thermal Power Plant Technologies	Under Revision. Please see <a href="http://www.eurotraining.com/plist/psumm/energy-training-summ-1w.pdf">www.eurotraining.com/plist/psumm/energy-training-summ-1w.pdf</a> or email: <a href="mailto:regn@eurotraining.com">regn@eurotraining.com</a>
POW3065	Large Scale Boiler Technology Processes and Management	This program provides you a multi-discipline understanding of Boilers, Program covers the issues of interest to both Technical, Audit and Managerial Staff., The Technology? How it Works, Boiler Accessories (Pre Heaters, Super Heaters, Economizers, Water Treatment, Controls?), Industry Standards, Specification Issues, Water Quality & Treatment, Installation & Testing, Operational Issues: Start Up; Operation; Shutdown; Monitoring, Operational Hazards, Boiler Maintenance-ÿ Preventive, Condition Based, On-line, Corrective & Shutdown, Performance Measurement, Quality Assurance Aspects, Managing the Boiler Installation, Program Recommendations
POW3085	Management Analysis, Operational Audit and Performance Evaluation of Electric Power Generation Plants	This program provides you a multi-discipline understanding of Boiler Tube Failures with practical exposure through discussion of case studies. Program covers the issues of interest to both Technical and Managerial Staff, It covers nearly all types of boilers, pre-boilers and after boilers., The Boiler Technology , Boiler Common Failure Modes, Failure Analysis for each Failure Mode: Location; Critical Factors; Identification; Eliminations; Cautions; Management, Corrosion in Boilers, Erosion, Cavitation, Weld & Installation Defects, Maintenance-ÿ Preventive & Shutdown, Program Recommendations

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Program Code	Program Name (Click to Access Website Brochure with Current Dates)	Program Content Summary
POW3095	Planning and Managing Large Scale Boiler Condition Monitoring and Maintenance	This program provides you a multi-discipline understanding of Boilers., Program covers the issues of interest to both Technical, Audit and Managerial Staff., The Technology? How it Works, Boiler Accessories (Pre-Heaters, Super Heaters, Economizers, Water Treatment, Controls?), Industry Standards, Specification Issues, Water Quality & Treatment, Installation & Testing, Operational Issues: Start Up; Operation; Shutdown; Monitoring, Operational Hazards, Boiler Maintenance-Preventive, Condition Based, On-line, Corrective & Shutdown, Performance Measurement, Quality Assurance Aspects, Managing the Boiler Installation, Program Recommendations
POW3125	Steam Turbine Technology, Processes and Management	This program is oriented towards the Power & Industrial Plant Professional, it enables a Multi-Discipline Understanding of your Steam Turbines and related process units for their Efficient and Effective Management., The Program will train you regarding ?Industry Standards, Installation & Testing Aspects, Operational Issues, Monitoring all the while discussing about industry Good & Best practices, The Technology: Types/Working principles; Turbine Components; Glands & Sealing Systems; Condensate System; Boiler Feed Pump; Regenerative Feed Heating System; Turbine Oil System; Steam Bypass Systems; Governing Systems; Fire Resistance, Industry Standards, Specification Issues, Installation & Testing Aspects, Operational Issues, Monitoring, Maintenance- Preventive & Shutdown, Management, Performance Measurement, Quality Assurance., Safety Management, Program Recommendations
POW3135	Planning and Managing Steam Turbine Condition Monitoring and Maintenance	Under Revision. Please see <a href="http://www.eurotraining.com/plist/psumm/energy-training-summ-1w.pdf">www.eurotraining.com/plist/psumm/energy-training-summ-1w.pdf</a> or email: <a href="mailto:regn@eurotraining.com">regn@eurotraining.com</a>
POW3185	Operation, Maintenance Control of Electrical Systems in Power Plants	You will learn about the Best Worldwide Practices Operation, Maintenance Control of Electrical Systems in Power Plants: , Methodology; Planning; Tools and Technology Issues Implementation Management, Power Plant Electrical Systems Operation, , Maintenance Control of Electrical Systems in Power Plants, Industry Standards, Specification Issues, Installation & Testing , Operational Issues: Start Up; Operation; Shutdown; Monitoring, Operational Hazards, Performance Measurement, Quality Assurance Aspects, Program Recommendations

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Program Code	Program Name (Click to Access Website Brochure with Current Dates)	Program Content Summary
POW3215	Managing Power Plant Instrumentation Systems	You will learn about the Best Worldwide Practices in Power Plant Instrumentation Systems, You will learn about Methodology; Planning; Tools and Technology Issues; Implementation Management, Power Plant Instrumentation Systems Operation, , Maintenance Control of Instrumentation Systems in Power Plants, Industry Standards, Specification Issues, Installation & Testing , Operational Issues: Start Up; Operation; Shutdown; Monitoring, Operational Hazards, Performance Measurement, Quality Assurance Aspects, Program Recommendations
POW3705	Power Generation Plant Technology, Processes and Management	You will learn about the Best Worldwide Practices in Power Generation Plant Technology, Processes & Management , You will learn about the Methodology; Planning; Technology Issues; Implementation Management, Power Plant Technologies: Turbines: Gas; Steam; Generators; Boilers; Heat Exchangers; Water Treatment; Cooling Water; Environment Protection, Power Plant Processes: Planning; Management; Quality Assurance System; Quality Control System, Performance Analysis, Operational Audit, Maintenance Management, Power Plant Knowledge Management System, Human Resource Development, Co and Tri Generation Systems, Program Recommendations
POW3715	Contract Administration for Power Plant Projects	You will learn about the Best Worldwide Practices Contract Administration for Power Plant Projects, You will be able to Benchmark and Draft your own Contract Conditions against Industry Standards, You will learn about: Best Contract Management Practices, Quality Assurance, Continuous Improvement, TQM and Benchmarking Methodologies? as applicable to the contracts and procurement departments, Understanding Agreements & Contracts, Understanding Enforceability Issues, Understanding Claims, Proving Damage Claims, Exclusion Clauses, One Sided & Unfair Clauses, Reasonableness Tests, Interpreting Methodology for One Sided Clauses, Program Recommendations
POW3745	Implementing ISO-9001 QA Practices in Power Plants	You will learn about the Best Worldwide Practices Implementing ISO-9001QA Practices in Power Plants Methodology Planning Tools and Technology Issues Implementation Management, Step-by-Step guidelines for developing a systematic working system for key management processes, Power Plant Management Processes, Good Management Practices for Power Plants, Best Practices for Power Plant Management, Analyzing the Processes, Documenting & Implementing Systematic Working System for the Key Power Plant Management

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		Processes, Program Recommendations
PPA8805	Power Purchase Agreements - How to Protect Your Organization	Under Revision. Please see <a href="http://www.eurotraining.com/plist/psumm/energy-training-summ-1w.pdf">www.eurotraining.com/plist/psumm/energy-training-summ-1w.pdf</a> or email: <a href="mailto:regn@eurotraining.com">regn@eurotraining.com</a>
PSB7005	Managing Substation Design Review Processes	Under Revision. Please see <a href="http://www.eurotraining.com/plist/psumm/energy-training-summ-1w.pdf">www.eurotraining.com/plist/psumm/energy-training-summ-1w.pdf</a> or email: <a href="mailto:regn@eurotraining.com">regn@eurotraining.com</a>
PSE8445	Managing Safety of Heavy Electrical Equipment	Under Revision. Please see <a href="http://www.eurotraining.com/plist/psumm/energy-training-summ-1w.pdf">www.eurotraining.com/plist/psumm/energy-training-summ-1w.pdf</a> or email: <a href="mailto:regn@eurotraining.com">regn@eurotraining.com</a>
PWT2005	Power Plant Water Treatment Systems	In this program you will learn about... :Technology, Planning, Construction, Maintenance & Management issues in Power Plant Water Treatment Systems., Participant will learn about Boiler Water Treatment Plants, Cooling Water Treatment Systems, Sea Water Cooling Systems and Waste Water Treatment Plants Good and Best Practices., Technology, Planning, Design Factors, Construction, Maintenance & Management Issues in..., Water Treatment Processes in Power Plants, Boiler Water System, Cooling Water System, Sea Water Cooling System, Chemical Control of Water & Steam, Idle Time Water & Steam Management, Water Treatment Processes: Pre-Treatment; De-Mineralization; Condensate Polishing; Deaeration, Cleaning Water System, Water Pollution & Control, Power Plant Waste Water Treatment Systems, Environmental Audit, Environmental Impact Assessment of Power Plan Waste Waters, Also Covered?, Setting Up a Quality Control System, Setting Up a Quality Assurance System, Setting Up a Good Management Practices System, Setting-Up a Knowledge Management System, Setting up Early warning system to Provide Decision Support Data, Workshop Case Studies 1, Workshop Case Studies 2, Program Recommendations, An Individualized Action Plan for each Participant.
PWT2025	Power Plant Cooling Water Technology and Implementation	Under Revision. Please see <a href="http://www.eurotraining.com/plist/psumm/energy-training-summ-1w.pdf">www.eurotraining.com/plist/psumm/energy-training-summ-1w.pdf</a> or email: <a href="mailto:regn@eurotraining.com">regn@eurotraining.com</a>

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PWT4005	Boiler Water Treatments Systems and Management	<p>This program will help you understand &amp; update knowledge of the Technology, Planning, Maintenance and Management Aspects of Boilers for Steam Generation Facilities., Program is very useful for Industrial &amp; Power Plant Water Treatment Professionals, Planners, Supervisors, Managers and Management Analysts., The Technology &amp; Methods, Basic Water Treatment, Ion Exchange Treatment, Membrane Techniques, Oxygen Removal, Boiler Feed Water Quality , Condensate Systems, Operation of Boiler Water treatment Facilities, Maintenance of Boiler Water Treatment Facilities, Managing the Operations: Quality Assured System of Management; Good Management Practices; Best Practices, Performance Management: Key Performance Indicators; Trending; Benchmarking; Balanced Score Card, Processes to Create Boiler Water Treatment Leadership, Setting up Early warning system to Provide Decision Support Data, Workshop Case Studies 1, Workshop Case Studies 2, Program Recommendations, An Individualized Action Plan for each Participant</p>
QKM8215	Power Systems Knowledge Management System	<p>Simplest definition of knowledge is - reusable work products. Knowledge includes the experience of leading organizations worldwide, your organization, the contracts and legal department and the employees., Knowledge management is a systematic approach to identifying, collecting, communicating, using and updating the reusable work products that apply to your power systems business units. To ease implementation this program shows you the step-by-step methodology to collect your organizations knowledge and make it available for decision making., Understanding what power systems knowledge is, What difference knowledge will make to your power systems business units performance, Identifying power systems knowledge for your organization, Collecting power systems knowledge, Communicating power systems knowledge throughout your organization., Making knowledge available in an easily reusable form, Monitoring the power systems knowledgebase, Continuous system for updating your power systems knowledgebase, Knowledge management team system, Using IT technology for knowledge management system, Legal and Contractual issues in knowledge management system, Intellectual property issues in knowledge management system, Security and confidentiality aspects of a knowledge management system, Human and motivational aspects of knowledge management success, Workshop: Prepare Implantation Plan for Your Power Systems Knowledge Management System, Setting up Early warning system to Provide Decision Support Data, Workshop Case Studies 1, Workshop Case Studies 2, Program Recommendations, An Individualized Action</p>

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		Plan for each Participant
XRM9745	Managing Risk In Electrical Power Systems	This program provides the participant a range of practical skills to analyze and understand power systems risk management needs. It also helps devise strategies for the fulfillment of knowledge and skill requirements of the participants department/organization., Participant will take away a detailed understanding of the step-by-step methodology for preparing a corporate/departmental strategic power systems risk management plan., Understanding power systems risk management, Power systems risk management vocabulary, Understanding the power systems business environment and context, Comprehensive identification of known, emerging and hidden power systems risks, Determining power systems risk appetite, Analyzing the power systems risks, Evaluating the power systems risks, Preparing power systems risk treatment recommendations, Approved power systems risk treatment plans, Analyzing the residual risks after treatment plan, Preparing a power systems risk control plan, Controlling the power systems risks, Management reporting of power systems risk status, Coordinating with & consulting stakeholders, Getting management commitment for power systems risk management, Setting up and using a power systems risk management team, Setting up a good management system framework of power systems risk management, Setting up a power systems risk management knowledgebase , Personalized power systems risk management assignment/workshop, Setting up Early warning system to Provide Decision Support Data, Workshop Case Studies 1, Workshop Case Studies 2, Program Recommendations, An Individualized Action Plan for each Participant

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