

Engineering Center for Excellence

Project, Product or Facility Feasibility, FEED, Design, Engineering, Value Engineering and Construction -
Good and Best Practices

5 Days (1 Week) Training Programs List

Program Code	Program Name (Click to Access Website Brochure with Current Dates)	Program Content Summary
CTD8535	Cooling Tower Design, Implementation and Operation	Under Revision. Please see www.eurotraining.com/plist/psumm/engineering-training-summ-1w.pdf or email: regn@eurotraining.com
DDF8885	Decommissioning and Demolition of Industrial Facilities	Under Revision. Please see www.eurotraining.com/plist/psumm/engineering-training-summ-1w.pdf or email: regn@eurotraining.com
DPM3305	Project Design Project management	Under Revision. Please see www.eurotraining.com/plist/psumm/engineering-training-summ-1w.pdf or email: regn@eurotraining.com
ENT2805	Engineering for Non-Technical Supervisors and Managers in Petroleum Industry	This program will provide the participant a Good Understanding of Engineering Technology, Methods, Processes, Decision making and Good and Best Practices as relevant to the Upstream Petroleum Industry. This knowledge will help the participant understand and consider the technical stakeholder views in his own decision making., This Engineering knowledge will lead to more cooperation and lesser conflict between Technical and Non-Technical Staff in your Upstream Operations. Program is intended for Upstream Supervisors and Managers including those in Finance, Administration, Audit, Quality, Human Resources, Procurement, Marketing, Document Management, Inventory, Security, Environment, Safety?, Understanding Upstream Engineering Principles, Upstream Chemical Engineering, Upstream Civil Engineering, Upstream Electrical Engineering, Upstream Metallurgical Engineering, Upstream Information Technology, Upstream Other Engineering?, Upstream Operations Technologies & Processes, Upstream Maintenance Department Technologies & Processes, Upstream Engineering Department Technologies & Processes, Upstream Projects Department Technologies & Processes, Upstream Safety Department Technologies & Processes, Upstream Environmental Department Technologies & Processes, Upstream Utilities Department Technologies & Processes, Program Recommendations
FPM2845	FEED Project Management	Under Revision. Please see www.eurotraining.com/plist/psumm/engineering-training-summ-1w.pdf or email: regn@eurotraining.com

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FSP8705	Preparing Project Feasibility Studies	Under Revision. Please see www.eurotraining.com/plist/psumm/engineering-training-summ-1w.pdf or email: regn@eurotraining.com
IBC2065	International Building Code Implementation and Compliance	The International Building Code (IBC) is a model building code developed by the International Code Council (ICC). It has been adopted throughout most of the United States. This program is intended for Construction Engineers, Design Reviewers and Project Administrators responsible for Implementing Building Projects to IBC 2006. Objective is to ensure the Building Design, Construction and Maintenance will comply with Good and Best Practices You Graduate as a Fully Informed IBC Professional., IBC Administration: Purpose & Scope; Limitations of Use, Alternate Requirements? Precedence, In case of Conflict, Conditions for Granting Deviation & Approval Procedures, Permit Requirements and Exemptions, Permit System & Submittal Requirements, Use & Occupancy Classifications & Special Requirements., General Building Heights & Areas, Types of Construction, Fire Resistance Rated Construction, Fire Protection Systems, Interior Finishes
LPS4005	Lean Production Systems - Methods, Processes, Planning and Implementation	Under Revision. Please see www.eurotraining.com/plist/psumm/engineering-training-summ-1w.pdf or email: regn@eurotraining.com
MTS5005	Managing Technical Service Processes	Under Revision. Please see www.eurotraining.com/plist/psumm/engineering-training-summ-1w.pdf or email: regn@eurotraining.com
NEC4405	National Electric Code 2008/2015	This program provides a comprehensive practical briefing on the issues and details of The National Electric Code? Latest Versions., The program Coverage includes Major Concepts, Compliance Checklists, QA/QC Systems of Contractors and Code Related Knowledge Management., (Sequence Subject to Customization by Instructor/s), Regulatory Aspects of Code, Inspection & Compliance Benefits, Understanding the NEC latest Standard, Safety Aspects, Listed or Labeled Devices and Appliances, Inspection Checklists , Quality Assurance Plan, Quality Control Plan, Building Knowledgebase, Qualification of Staff, Case Studies, Program Recommendations

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PGG5015	Land Surveying	Under Revision. Please see www.eurotraining.com/plist/psumm/engineering-training-summ-1w.pdf or email: regn@eurotraining.com
PRD7005	Managing Roads Research Design, Innovation and Implementation	This program is intended for Road Infrastructure Planners, Executers, Managers and Funding Agencies. Objective is to ensure the road Design and Construction will serve the wider interests of the Owner Agencies and the Community, The program will provide you the insight required to getter value from your Design Consultants and Construction & Maintenance Contractors You Graduate as a Fully Informed Road Professional., Some Success Stories, Design Challenges: Providing the necessary road infrastructure within a funding-constrained environment. Relevant Technologies; Capacity Building; Community's Varying transport needs; Changing traffic flow patterns; Spread of population; Increasing vehicle dimensions and weights; Environmental impacts., Road Related Standards, Special Purpose Designs: Airports?, Repair & Maintenance Issues, Software Tools: ARNDT- A roundabout numerical design tool; COGO- Coordinate geometry; Culvert- design and calculate quantities; Estimate- compile estimate of cost details for road and bridge projects; Multi Access Graphics System; RISC- Roadside Impact Severity Calculator; Transport and Main Roads 12D Model Customisation; Transport and Main Roads AutoCAD Customisation; Transport and Main Roads MX Customisation; TraSiCAD- Traffic Sign Computer Aided Design; TraSiS- Traffic Sign Structures; Vehicle Path (for MX, Windows, AutoCAD and 12D); Works Management System, Innovations discussed?: Analysis for Value Engineering; Improve safety; Futurist Features; Reduce traffic congestion; Monitoring traffic Technologies; Reduce environmental impacts; Promote Economic Activity; Capacity Building, Step by Step Planning of Road Projects, Construction of Road Projects: Standards & Specifications; Workmanship; Planning; Estimating; Monitoring; Management; Quality Management; Risk Management; Schedule Risk Management; Safety Management; Capacity Building Aspects, Program Recommendations

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QKM8225	Design Knowledge Management System	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 design 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 design knowledge is, What difference knowledge will make to your design business units performance, Identifying design knowledge for your organization, Collecting design knowledge, Communicating design knowledge throughout your organization., Making knowledge available in an easily reusable form, Monitoring the design knowledgebase, Continuous system for updating your design 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 Design 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.
VEC4655	Forcing Consultants to do Value Engineering on their Design or Consultancy Assignments	Under Revision. Please see www.eurotraining.com/plist/psumm/engineering-training-summ-1w.pdf or email: regn@eurotraining.com

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