



# Institute for Capacity Development (ICD)

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## Investment Analysis and Energy Project Management

### Course Objectives

On completion of the course, participants should be able to:

- Improve efficiency in energy production and consumption;
- Increase access to electricity services with particular emphasis on remote and rural areas;
- Facilitate the development of geothermal energy resources
- Support public and private investments in energy sources.
- Develop sustainable energy strategies.
- Conduct energy survey and audits

### Target Groups

- Project Officers
- Investment Officers
- Energy engineers, analysts, managers and auditors
- Development planners
- Regulatory Authorities
- Economists and Utility Officers

### Course Outline

- General Management Principles And Skills
- Energy Sector Policy and Strategy
- Strategic Management of The Energy Sector
- Structure and Organization of the Energy Sector
- Analysis of Primary Energies
- Analysis of The Existing Generation System
- Analysis of the Existing Energy Supply
- Energy Planning and Demand Forecasting

- Industrial Organization In the Energy Sector
- The Project Management Process
- Defining The Project Scope
- Work Breakdown Structure
- Resource Planning/Scheduling
- Establishing The Business Case For The Project
- Defining The Need/Opportunity
- Energy Investment Program
- Financing Energy Investments
- The Financing Needs of the Power Sector
- The Role of Development Partners
- Economic Evaluation of Investment Projects
- Financial Evaluation and Financing Techniques
- Developing The Project Charter
- Cost Estimating
- Project Control
- Project Execution Planning
- Risk Analysis
- Action Planning

Dates: 05<sup>th</sup> – 16<sup>th</sup> December 2022

Duration: 2 weeks

Course Costs: US\$3250

Venue: Pretoria, RSA