

IMPROVING ENERGY EFFICIENCY AND SUSTAINABLE BUILDINGS

OVERVIEW

The global transition to a sustainable energy future has begun. These rapid changes create countless opportunities for those firms and individuals that understand how and why these changes are happening, anticipate where energy markets are headed, and innovate new solutions and approaches that meet energy-related needs. Conversely, the transition will leave behind those that fail to keep up.

Succeeding in this rapidly changing world requires a solid knowledge base in energy fundamentals, energy technologies, and energy markets; and the skills to use this knowledge to assess new business opportunities.

TRAINING SUMMARY

This training course provides both that essential knowledge and those critical skills. It aims to prepare participants for successful energy-efficient construction and renovation of buildings. It also covers the fundamentals of how building design can reduce energy consumption, the benefits of reducing energy waste, policy perspectives and standards. This course provides participants with up-to-date knowledge on how to improve energy efficiency in buildings, save money, and reduce carbon emissions. This course prepares participants for success locally and internationally in the renewable energy and energy efficiency industry.

After completing this training course, you will understand “why” the energy system is changing, “where” it is headed, “what” it means for your career and your firm, and “how” to successfully navigate the ongoing transition to a sustainable energy future.

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1. INTRODUCTION
2. IDENTIFYING THE IMPACT OF CLIMATE CHANGE ON THE WORLD
3. SUSTAINABLE DEVELOPMENT GOAL 7
4. TYPES OF ENERGY GENERATION
5. RENEWABLE ENERGY
 - 5.1 HYDROPOWER ENERGY
 - 5.2 WIND ENERGY
 - 5.3 SOLAR ENERGY
 - 5.3.1 SOLAR PHOTOVOLTAIC (PV)
 - 5.3.2 CONCENTRATING SOLAR-THERMAL POWER (CSP)

6. ENERGY CONSUMPTION

6.1ENERGY EFFICIENCY AND ENERGY SAVING

6.2ENERGY MANAGEMENT SYSTEMS

6.3INTERNET OF THINGS

COURSE DURATION

ONE WEEKS (5 HOURS/ Day)

Course price / trainee : 750 \$