

Titre

ALTERNATIVE ENERGIES & SUSTAINABLE RESPONSIBILITY

Sommaire / plan du cours

Sustainable Development

History and meaning of Sustainable Development (SD)

Student brainstorming on its implication for enterprises

Corporate Social Responsibility

The foundations of Corporate Social Responsibility (CSR)

Governance, ethics, compliance and CSR guidelines

Working Group exercise on Insurance and Energy cases

Megatrends

Review of the Risks for our planet, from climate and energy to the Sustainable Development Objectives

Renewable Energies

Global energy and electricity situation worldwide

General view on Renewable Energies

What solution for intermittency ?

Student Brainstorming on storage solutions

Solar Energy

Worldwide and local situation,

Technological, economical and CSR aspects

Wind Energies

Worldwide and local situation,

Technological, economical and CSR aspects

Stakeholders

Why should enterprises listen, to their stakeholders including in Renewable Energies activities ?

Student Brainstorming on wind energy

Risks

Risks Mapping and actors of the risk management

Working groups exercises on risks in mining, environment

Opportunities

The opportunities linked to the megatrends

Student brainstorming on the case of an oil & gas producer

Biomass and Solar new business models

Overview on biomass

Examples of new business models in Renewable Energies

Economic and CSR Performance

CSR and shared value creation

Performance monitoring (interactive part with the students on environmental, safety, social KPIs for an Alt. Energy Cy)

Interactive conclusion of the seminar

Certificate ceremony

Langue

Français/anglais

Durée prévisionnelle

5 half days (20 hours) or 5 days (30 hours)

as requested by the University,

including numerous brainstorming and interactive parts with the students

Public visé

- 1) Bachelor Students or Master of Science or of Business/Management, Schools of Engineers or Management
- 2) Engineers in the Industry sector or in services close to the Industry

Moyens pédagogiques

Slides to be presented from a lab top.

Need a video-projector on site.

A printed document corresponding to the slides presented will be available for each student at the beginning of the seminar

Prérequis

No specific prerequisite (except for the language to be used during the 5 days).

See also "Who should attend"

Objectifs

Understand the stakes of Alternative Energies worldwide

Understand all aspects of Sustainable Development and Corporate Social Responsibility with a focus on Renewable Energies. Be able to implement or develop CSR policy, actions and thus to contribute to improve the economic performance of the Enterprise.

The concepts will be highlighted by many examples, including from the Professor experience.

Professeur

Gérard LANGLAIS