

Available free-of-charge

▶ Training Material

Presentation Slides, e-Textbook & Case Studies

Course :
Wind Technology – SYS865

École de technologie supérieure
- Université du Québec
Montreal, QC, Canada

“The RETScreen Software was used in a Master Degree-level course at ÉTS to teach graduate students how to assess the viability of wind energy projects.”

Prof. Christian Masson, Ph.D.
Canada Research Chair
– Wind Energy Aerodynamics
in the Northern Environment

McMaster University,
Hamilton, ON, Canada

“I am a PhD candidate at McMaster University. I would recommend the program to anyone doing a study of renewable energy sources and I think that it could be used very effectively as a teaching tool for undergraduate students.”

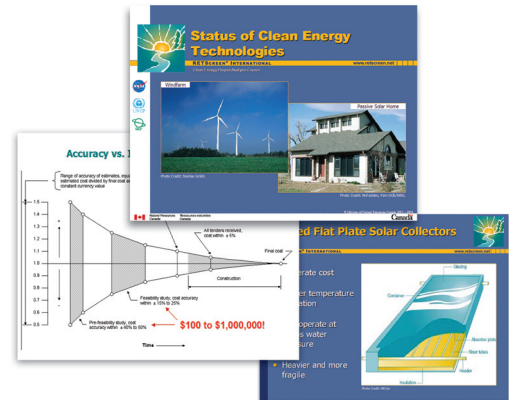
Laura Beaton,
Ph.D. Candidate

Training material for a modular case study-based *Clean Energy Project Analysis Course* has been created for use by recognised educational centres and training organisations around the globe, as well as for use by professionals and college/university students in “self-study” distance learning format.

Each module can be presented as a separate seminar or workshop for professionals, or as a section of a college/university course. All the modules combined can be presented either as a one to two week long intensive course for professionals or as a one to two semester long course for college/university students.

In addition to the PowerPoint Slides, the training material also includes the electronic textbook *Clean Energy Project Analysis: RETScreen Engineering & Cases*. Written for professionals and university students who are interested in learning how to better analyse the technical and financial viability of possible clean energy projects, the e-Textbook covers each of the technologies in the RETScreen Software, including a background of these technologies and a detailed description of the algorithms found in each of the RETScreen software clean energy technology models.

A collection of **clean energy project case studies** is also provided to complement the training material and to facilitate the use of the RETScreen Software. These case studies include assignments, worked-out solutions and information about how the projects fared in the real world.



Presentation slides, including instructor's voice and notes for distance learning



Engineering e-Textbook, with description of RETScreen Software model algorithms



Case studies, with RETScreen analysis and information about the built project



Using RETScreen for Education

A Sample of Colleges and Universities

Country	College/University	Course/Program Information
Argentina	Universidad Nacional de Tucumán	Graduate Projects, Architecture and Urban Planning
Australia	Murdoch University	Energy Online Courses
Bahrain	University of Bahrain	Faculty of Engineering
Canada	Carleton University	Process Analysis, Civil & Environmental Engineering
Canada	École de technologie supérieure Université du Québec	Wind Technology, Mechanical Engineering
Canada	HÉC Montréal	Sustainable Energy Technologies, M.B.A. Energy Sector Management
Canada	McGill University	Environmental Engineering, Civil Engineering & Applied Mechanics
Canada	Mohawk College	Renewable Energy Workshop
Canada	Queen's University	Thermal Systems Design, Mechanical Engineering
Canada	Seven Generations Education Institute/ Lambton College	Renewable Energy Certificate Program
Canada	University of Northern British Columbia (UNBC)	Energy Development, School of Environmental Planning
Canada	University of Ottawa	Energy Conversion, Mechanical Engineering
Canada	Université de Sherbrooke	Climate Change & Energy, Master Degree in Environment
Canada	Willis College of Business & Technology	Renewable Energy Certified Professional
Finland	Helsinki University of Technology (HUT)	Solar Energy Engineering, Advanced Energy Systems
Ghana	Kwame Nkrumah University of Science and Technology (KNUST)	Graduate Projects, Mechanical Engineering
Greece	University of Piraeus	Industrial Management
India	Indian Institute of Technology (IIT) – Roorkee	International Course on Small Hydro Power Planning
Ireland	Tipperary Institute	Certificate in Renewable Energy, Rural Development Department
The Netherlands	University of Twente	Masters in Energy & Environmental Management
Russia	Moscow Power Engineering Institute	Faculty of Water Power Engineering & Renewable Energy
Thailand	Asian Institute of Technology (AIT)	Solar Energy Course, Energy Field of Study
UK & China	University of Ulster & the Hong Kong University of Science and Technology	Postgraduate Diploma and Masters in Renewable Energy
USA	University of California - Berkeley	Renewable Energy, Energy & Resources Group



RETScreen training at the Asian Institute of Technology (AIT) in Thailand.



Prof. S.C. Bhattacharya of AIT presenting RETScreen.



RETScreen training material used by AIT.

Photo credit:
Asian Institute of Technology

More than 50 educational institutions report using RETScreen for training.