

## Energy Transition Course

### Tailor-made course for energy efficiency innovators

The Deltalinqs Energy Forum has set ambitious climate goals for the Port of Rotterdam, including the reduction of CO<sub>2</sub> emissions by 80-95% before 2050.

This goal is an enormous challenge for the companies located in the Port of Rotterdam. For example reaching energy efficiency and introducing clean energy sources requires a complex mix of technological measures. An overall view has to be kept to prevent these measures obstructing each other. To meet the ambitious climate goals of the port and our government, also your company needs to adopt cleaner processes, technologies and behaviours in a fast pace.

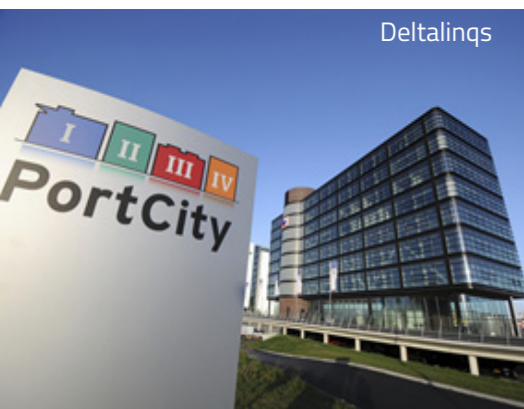
Deltalinqs and partners have developed a course for energy intensive industries. Deltalinqs promotes common interests of over 95% of all logistic, ports and industrial enterprises in mainport Rotterdam. Other partners, including Climate-KIC, TU Delft and the new Energy Coalition, are experts on energy innovation and consists of dynamic (start-up) companies, the best academic institutions and representation of the public sector. The aim of the course is to train engineers, technologists & researchers to become clean-tech innovators. The course consists of four modules of one day, spread over the months March & April in 2018.

# Programme Energy Transition Course

## Module I: Energy Transition 'the Challenge'

12 maart 2018, 13:00 - 21:30 @ Deltalinqs Rotterdam

- Course Agenda, Innovation Ecosystem Development  
*Martine van Veelen, Course Director*
- Introduction participants
- Setting the Scene, highlights Transition Agenda's and Policy measures  
*Mr. Bert de Vries, director Energy & Sustainability, Ministry of E&C*
- Climate Change and Energy Transition: the Challenge  
*Prof. André Faaij, scientific director New Energy Coalition*
- Break
- Q&A Prof. André Faaij
- Group work: Energy Challenges  
*Bram van der Grinten, Ideal & Co, Facilitator*
- Dinner & networking
- Case company Port of Rotterdam + Group Discussion
- Inspiration session with Start-ups & Closure



## Module II: Energy Transition 'Innovation & Technology'

26 maart 2018, 13:00 - 21:30 @ the Green Village - TU Delft

- Welcome, Agenda  
*Martine van Veelen, Course Director*
- Sustainable Energy Innovation: what's new and what's the future?  
*Prof. Kornelis Blok, Professor of Energy Systems Analysis, TU Delft*
- Tour Green Village, Living Lab sustainable solutions  
*Serge Santoo, Green Village, TU Delft*

- Vision: towards a Hydrogen economy  
*Ben Visser, Hydrogen Speedup*
- Break
- Renewable Energy and the impact on Industry, Transport and Infrastructure  
*Prof. Bendiks Jan Boersma, Professor Energy Technology, TU Delft*
- Q&A Prof. Bendiks Jan Boersma
- Group work: Vision development and Creative Thinking (part I)  
*Bram van der Grinten, Ideal & Co, Facilitator*
- Dinner & networking
- Group work: Vision development and Creative Thinking (part II)  
*Bram van der Grinten, Ideal & Co, Facilitator*
- Inspiration Start-ups & Closure

## Module III: Energy Transition 'New Business Models & Project Finance'

9 April 2018, 13:00 - 21:30 @ RDM Campus

Rotterdam

- Welcome, Agenda  
*Martine van Veelen, Course Director*
- Energy transition management & New Business Models  
*Prof. Derk Lobach, director DRIFT*
- Sustainable Mobility and Infrastructure  
*Frank Rieck, Lector Future Mobility, Rotterdam School of Applied Sciences*
- Tour RDM campus  
*Frank Rieck*
- Break
- Case: Geothermal Energy Project Westland  
*Marco van Soerland, director Triaswestland*
- Finance of Innovation Projects  
*Rinke Sonneveld, director Innovation Quarter*
- Group work: Business Development (part I)  
*Bram van der Grinten, Ideal & Co, Facilitator*
- Dinner & networking
- Group work: Business Development (part II)  
*Bram van der Grinten, Ideal & Co, Facilitator*
- Inspiration Start-ups & Closure



## Course format & methodology

Our Professional Courses are interdisciplinary, stimulating and practitioner-oriented. Our format involves a highly innovative atmosphere by means of knowledge & inspiration sessions, system approach, co-creative methods and participatory activities, provided by the best experts & trainers of Europe.

## Who should attend?

This advanced course is tailor-made for companies in the Port of Rotterdam that want to make serious business out of the climate goals. The course covers a wide range of topics and possibilities for new energy recovery, efficient energy usage, renewable energy, new business models and stakeholder engagement and is aimed at Engineers, Technologists, Researchers and technical Project Leads with basic engineering knowledge and skills.

# Results

In this course you will learn how to develop clean-tech solutions that can replace and/or improve the current technologies and processes in your department. You'll receive the knowledge and skills necessary for the transition to clean and efficient energy systems, and you'll learn how to develop a business model and a strategy to successfully implement your solutions.

The course is a combination of knowledge transfer and application of this knowledge in group work sessions. On the final day you will present your personal project to a jury of experts and stakeholders.

After following this course you will have

- Knowledge of policy & regulations for CO<sub>2</sub> emissions and the impact of these measures on your company
- Knowledge of renewable and efficient energy technologies
- Knowledge of future energy scenario's
- Skills in innovation & product development
- Skills in business model creation

# Module VI: Energy Transition 'Let's do it'

23 April 2018, 13:00 - 21:30 @ Deltalinqs  
Rotterdam

- Welcome, Agenda  
*Martine van Veelen, Course Director*
- Case Port of Amsterdam  
*Koen Overtoom, CEO Port of Amsterdam*
- Case company Port of Rotterdam + discussion
- Forum Energy Future Port of Rotterdam  
*Forum panel representatives Port of Rotterdam*
- Discussion 'what is needed to bring the Port of Rotterdam to the next level'
- Break
- Follow-up opportunities Energy Forum  
*Alice Krekt, Programme Director Energy Forum*
- Pitch preparation participants
- Pitch session for Expert Jury (part I)
- Dinner & networking
- Pitch session for Expert Jury (part II)
- Jury feedback
- Closure & Drinks

# Why should you attend?

- Receive an update of the latest insights and technological opportunities on the subject of energy efficiency and renewable energy
- Work on your own energy project and receive feedback from the best trainers and experts in the field
- Work together with fellow engineers of different companies on the carbon neutral future of the Port of Rotterdam

# Registration and Fees

Course fee: EUR 1500 (ex. VAT) for the full program. Course fee covers participation in the course, learning materials, food, dinner and drinks during the course and site visits.

If you cancel the course up to 4 weeks before the start of the course, 50% of the participation fee will be charged. If you cancel less than 10 days before the start of the module, the full fee is due.

The deadline for applications is 20 February 2018.

Please register through the following link <https://goo.gl/forms/aYabyMXG6St1u4eg1>

For further enquiries, please contact the Course Director: [Martine.vanVeelen@capitalH.nl](mailto:Martine.vanVeelen@capitalH.nl)