

Ontwikkelingen in energieonderzoek

Delft Energy Initiative

Hester Bijl

Persbericht feb 2011:

TU Delft leidt Europees project voor betere batterijen elektrisch vervoer

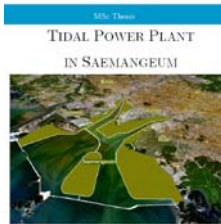
De TU Delft leidt vanaf vandaag een nieuw project, gesponsord door de Europese Commissie, waarin universiteiten, onderzoeksinstituten en de accu- en auto-industrie samenwerken om goedkopere, veiliger oplaadbare batterijen te ontwikkelen met een hogere energiedichtheid en vermogensafgifte. De consortiumpartners willen met dit project een bijdrage leveren aan het grootschalig gebruik van elektrisch vervoer. Het EuroLiion project heeft een looptijd van vier jaar en een budget van 5,5 miljoen Euro.

Delft Energy Initiative - Theme coverage

	TNW	L&R	EWI	CITG	3mE	TBM	IO	BK	OTB
Evolution	(Hydro)carbon products and processing Energy conversion alternatives Nuclear Energy (fission) Electric power systems and policy Heat management Industrial Energy Efficiency Carbon sequestration Energy Savings Building efficiency technologies								
Revolution	Solar Geothermal Wind Wave and sea current power Biofuels (Biomass conversion) Energy storage Hydrogen (production, distribution, end use) Superconductors Fusion								
Implementation	Science and policy of climate change Carbon management Public attitudes towards energy and climate change Buildings, urban and port design Transportation and vehicle systems Energy needs in the developing world Product design with new energy technologies Policy, regulation, siting and security								
Fundamentals	New materials / Nanotechnology Biotechnology Modeling, simulation and complex systems Earth science Basic energy science								
	DCT - Opto Electronics Materials DCT - Energy Department DCT - Process and Product Engineering DCT - Physical Chemistry and Molecular Thermodynamics DCT - Catalysis Engineering DCT - Nano Structured Materials R3 - Physics of Nuclear Reactors R3 - Fundamental Aspects of Materials and Energy R3 - Radiation Detection and Matter Reactor Institute Delft BT - Bioprocess Technology BT - Bioseparation Technology BT - Environmental Biotechnology BT - Industrial Microbiology MSP - Thermal and Materials Processes MSP - Multi Phase Flow MSP - Clouds, Climate and Air Quality MSP - Reactive Flows and Explosions ADIO - Aerospace for Sustainable Engineering and Technology ADIO - Design of Aircraft and Rocketcraft ADIO - Wind Energy ADIO - Aerodynamics MASIM - Fundamentals of Aerospace Materials MASIM - Design and Production of Composite Structures EOSS - Earth Observation and Space Systems AM - Numerical analysis DIMES - Large Area Electronics and Solar Cells DENLAB - Delft renewable Energy Laboratory EP - High voltage Technology & Management EP - Electrical Power Processing EP - Electrical Power Systems HE - Offshore Engineering GT - Applied Geology GT - Geo-Engineering GT - Petroleum Engineering GT - Applied Geophysics and Petrophysics MSE - Surfaces and Interfaces MSE - Structure & Change MSE - Joining and Mechanical behaviour MSE - Microstructural control in Metals MSE - Light Metals Processing P&E - Engineering Thermodynamics P&E - Laboratory for Process Equipment P&E - Energy Technology PME - Fundamentals of Microsystems PME - Micro and Nano Engineering PME - Engineering Dynamics DCSG: Delft Centre for Systems and Control BmechE: Intelligent Mechanical Systems ER - Philosophy IS - Economics of Innovation IS - Technology Strategy and Entrepreneurship ISS - Economics of Infrastructures ISS - Energy and Industry ISS - Transport policy and logistics organisation MAS - Policy Analyses MAS - Systems Engineering MAS - Policy, Organisation, Law & Gaming ID - Applied Ergonomics & Design DE - Product Engineering / Personal Energy Systems DE - Design for sustainability REH - Sustainable Housing Transformations BT - Climate Design and Sustainability U - Environmental Design Housing Quality and Process Innovation								

Science and engineering challenges





TIDAL POWER PLANT IN SAEMANGUM



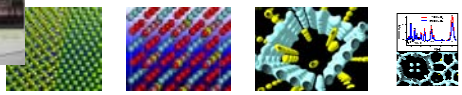
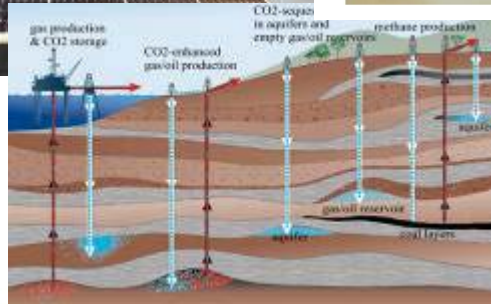
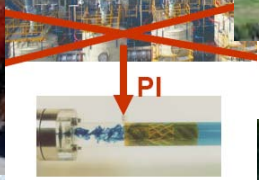
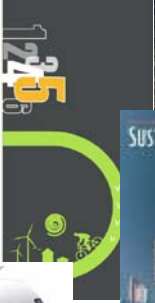
SOLAR BOAT



WILLINGNESS TO PAY' VOOR EEN ECHTGEHELE AERUWOM WONING



Energy policy instruments and technical change in the residential building sector



“Essent sluit zich aan bij BE-Basic”

Expertcentrum zonne-energie TU Delft en Universiteit van Nigeria

**TU Delft licenseert duurzame ethanoltechnologie aan DSM
Ad van Wijk hoogleraar Future Energy Systems TU Delft**

Nanodraden openen deur naar betere leds

Onderzoekers van het FOM-instituut AMOLF hebben samen met onderzoekers van Philips Research, de TU Eindhoven en de TU Delft speciale nanostructuren gemaakt die als licht emitterende diode (led) gebruikt zouden kunnen worden.

Bezoek eurocommissaris voor innovatie aan TU Delft

Marktintroductie brandstofbesparende SideWings

TU Delft eerste Nederlandse universiteit met dependance in China