

Electricity + water = the good life

Co-generation and polygeneration in practical applications

Some research projects at the Royal Institute of Technology (KTH) in Stockholm, Sweden

Presented by Scarab Development AB

Tuesday, April 20, 2004 13.00 – 17.00 Room M42 at Brinellvägen 60

Program

13.15 Energy Center – the focus is on innovative start-ups in energy technology. Professor Torsten Fransson, Head of Department, Department of Energy Technology

www.energy.kth.se/

13.30 Scarab Development – Polygeneration for welfare. Aapo Säask, CEO Scarab Development AB www.scarab.se

13.45 Efficient photovoltaic cells for co-production of electricity and pure water.* – Elisabeth Härlin, Per Lundqvist

14.15 Mitigating the world's greatest ecological disaster ** – Ashiq Moinul Islam, Gunnar Jacks

14.45 Break

15.15 Co-generation provides Intel with the purest water in the world *** – Liu Chuangeng, Andrew Martin

15.45 We want it hot. They want water. **** – Ahmed El-Dorghamy, Aapo Säask

16.15 Discussion / Panel

16.45 Close

*Completed Masters Thesis by Elisabeth Härlin. Photovoltaic Water Purification – an exciting opportunity to provide electricity and pure water to remote locations.

** Ongoing Masters Thesis by Ashiq Moinul Islam evaluates MD for the removal of Arsenic.

Trivalent Arsenic is the most difficult substance to remove from water according to EPA and arsenic poisoning in the Ganges Delta is the world's worst present ecological crisis according to WHO.

(Chalmers, Karolinska Institutet, HVR Water Purification AB) www.scarab.se/arsenic

*** Completed Masters Thesis by Liu Chuangeng. Polygeneration of electricity, heat and ultra pure water (UPW) in the semiconductor industry - highest purity in the world. (Wärtsilä, Xzero AB)

www.scarab.se/xzero

**** Polygeneration in warm climates. Project plan for use of MD in small and large power plants.

Please call Henrik Dolfe, Xzero AB, 08 – 660 39 70 or 0704 – 269 606 to reserve a seat.