

MEAE - Middle Alternative Energy Institute

A member of AECENAR Applied Research Center



Process control system
Development with Siemens S7 technology

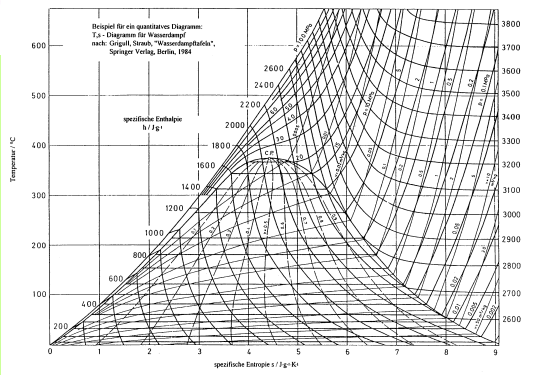
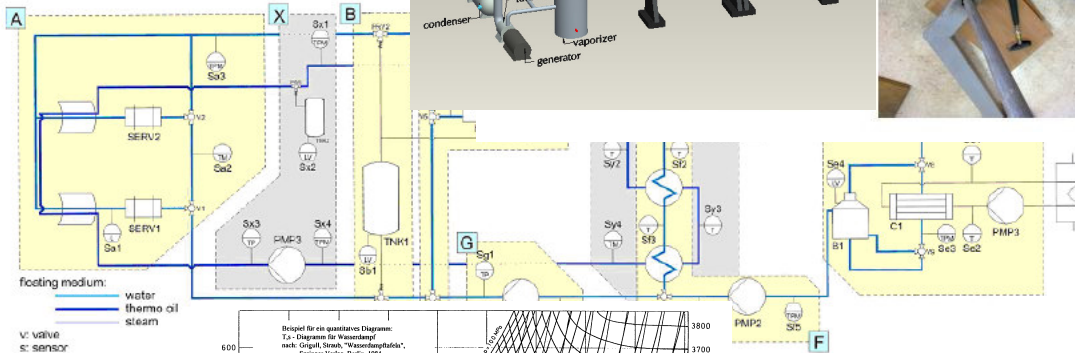
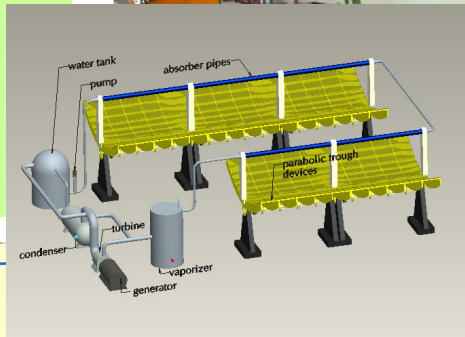
Construction of mechanical pieces with
CAD program ProEngineer



Solar vacuum pipe



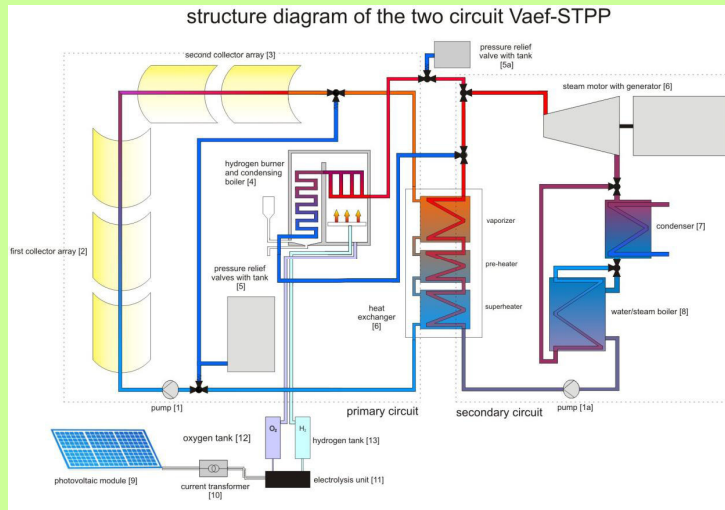
Manufacturing of solar parabol panels



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Research fields

ميادين الابحاث



**ELEMENTS FOR SAFE
MINI SOLAR THERMAL
POWER PLANTS** suited
for privatesmall
solar/wind/combustion
hybrid plants

- Development of **safe mini steam turbines**

- **NUMERICAL COMBUSTION: Simulation Models** for safe small
combustion devices

MEAE Laboratory

مختبر المركز

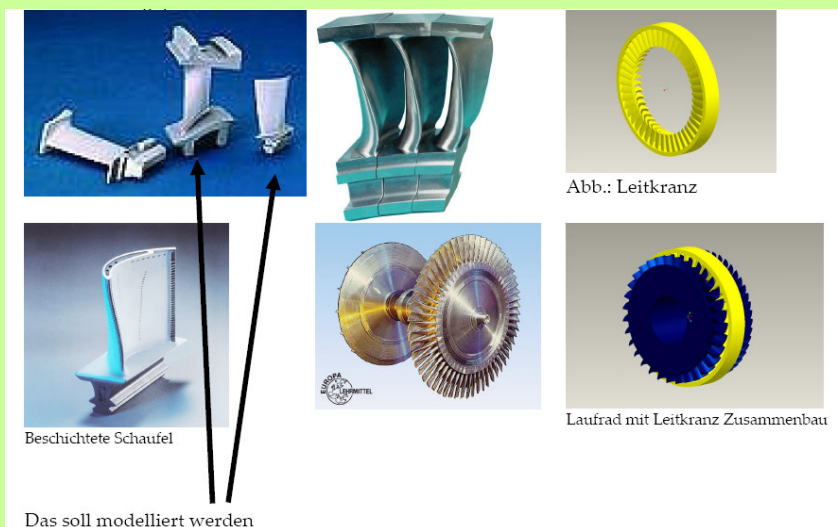


Actual Projects

Development of one-stage turbine

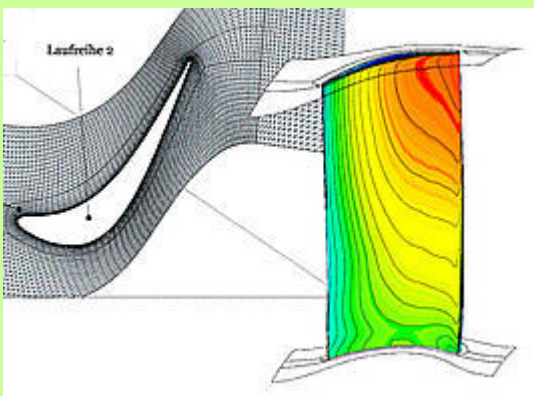
Modelling of a turbine blade with ProE

Für ein Plastikmodell für die Turbinenblätter soll ein ProE-Modell erstellt werden. Dieses ProE-Modell soll der Arbeitsgruppe von Prof. Ogus von der Univ. Isparta / Türkei gegeben werden. Dort kann aus dem ProE-Modell ein max. 20x20x25 grosses Teil automatisch als Plastikteil ausgeplottet werden.



Development of a CFD software package specialized for steam turbine design based on FreeCFD

Project Plan: D:\AECENAR\MEAE\CFD-Lab\Planning\231011projPlan_CFD_turbine_sw_package.doc



CFD Simulation
of a turbine blade



AECENAR

Association for Economical and Technological Cooperation
in the Euro-Asian and North-African Region

جمعية الشرق الأوسط للتنمية والتعاون في الميدان التكنولوجي AECENAR Middle East

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