

Advanced Energy Project (AEP) Course – Project teams and topics 2022

8.9.22

Sam Cross

Manager – Energy, Aalto Networking Platform



Aalto University
School of Engineering

Project 1 – Aalto Sustainability & ACRE - An alternate path for Aalto's green energy strategy

Team leader:

Thomas Boban Mattathil

Team members:

Licheng Liu

Anton Beijar

Erik Benjamin Meskanen

Team supervisor (Aalto staff): Arpad Toldy with Sam Cross

Project 2 – Energiategollisuus -

Electrification of road traffic in Finland – power system implications

Team leader: Pieter Douwe van Alderwerelt van Rosenburgh

Team members:

Aapeli Pyry Johannes Junkala

Fenton Enrique Wheelock Gutierrez

Robin Alexander Salminen

Sakari Mikael Harjunpää

Team supervisor (Aalto staff): Sam Cross (John Millar as consultant)

Project 3 – Fingrid – Effect of wind power in various locations on the Finnish energy system and market

Team leader: Laura Sofia Markkanen

Team members:

Shivani Mehta

Monika Krasteva

Henrietta Marie Hirvonen

Alonso Conejos Lopez

Team supervisor (Aalto staff): Janne Seppänen

Project 4 – Fortum - Deep decarbonisation of industrial sector in Europe (Chemical Industry decarbonisation, focussed to plastics)

Team leader: Francesco De Marco

Team members:

Pragya Narayana Prasad

Afrida Nahiyah Kabir

Teemu Eljas Lappalainen

Pruthvi Mundalamane

Team supervisor (Aalto staff): Arpad Toldy

Project 5 – HELEN - CO₂ market and Direct Air Capture (DAC) future perspectives

Team leader: Maija Lumikki Lehtonen

Team members:

Sharon Santhosh

Katri Jutta Henriikka Sällilä

Anna Hammerstingl

Eelis Ilmari Lähdemäki

Team supervisor (Aalto staff): Annukka Santasalo-Aarnio (Mika Järvinen as consultant)

Project 6 – VTT - Carbon footprint of district heating SMR

Team leader: Arjun Muralidharan

Team members:

Bishal Shrestha

Arthur Luc G Vankeirsbilck

Nusrat Islam Tanny

Faiz Khalid

Team supervisor (Aalto staff): Timo Laukkanen

Project 7 – Wärtsilä - To study and map electricity market design across different jurisdictions

Team leader: Daniel Sendino Ruiz

Team members:

Heta Helmi Lydia Heinonen

Vittorio Casucci

Idowu Joshua Odesanmi

Niloufar Zarei

Team supervisor (Aalto staff): Sam Cross

Many thanks!

