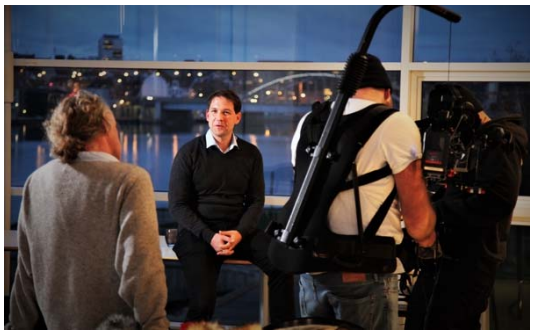
carpe DIEM Newsletter

Exciting updates on Ærø and Ostholstein and an outstanding promotion for our project awaits you. Enjoy reading and contact us for more information.

To all of the network partners and followers, we wish you a merry Chistmas and a new year with exciting results and collaborations.

Katharina



carpeDIEM in German TV

A team of the ZDF visited carpeDIEM in Sønderborg to take an interview with Robert Brehm. The film is about Ærø and our involvement on the island:
https://www.zdf.de/wissen/nano/nano-vom-14-dezember-2018-100.html#xtor=CS5-95
(from minute 1:30 on)

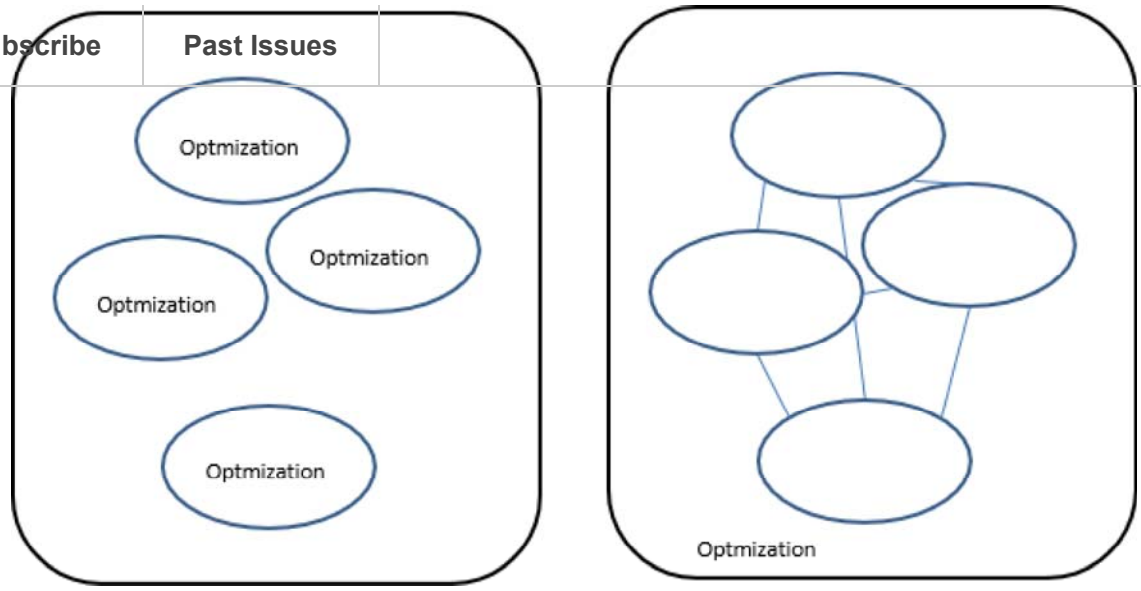
On Ærø the power supply will be adjusted the actual need

The little gem in the southern Danish sea, Ærø, produces more power than the island itself consumes. Paradoxically, Ærø is nevertheless forced to export and import power because the consumption pattern of the inhabitants does not match the production of the six large wind turbines on the southwest coast of the island.
Continue reading .

The article first appeared in Danish here.

Electric cars push the electric net to its limits - here's an intelligent solution to the challenge

Massive investments in the grid are necessary if we will overcome the challenges that electric vehicles put on the power grids - but a large part of these investments can be overcome by means of intelligent power management, explains a researcher from the Mads Clausen Institute in Sønderborg.
Read more.



What if all would like to become self-sufficient?

EUF's part in the carpeDIEM research project

It might be tempting for an operator of a local power system to become independent of the national power system, for instance due to the price development of electricity supply from power utilities. Becoming self-sufficient is a challenging and ambitious task and a couple of smaller villages and houses demonstrate that it is technically and economically feasible. A question is, however, how local power system and the overlaying power system fit together if the sub-system is still linked to the national power grid but reaches a certain level of energetic autarky. At Europa-Universität Flensburg (EUF) researchers have addressed that question, in particular for the showcase village of Dörpum in Germany.

Read more

Network meeting on Ærø

It seems the little island is always good for a surprise in many ways. When we arrived for our network meeting on Ærø, we had brilliant weather in the middle of October, and enough time to enjoy a nice walk in the idyllic surroundings.

We were welcomed by Inga Blom Thomas, the vice major of Ærø, who emphasized the importance of the cooperation between Ærø and the carpeDIEM network as it fits so well in the ongoing plans of Ærø to become a

self sufficient community. Cecilie Larsen and Jess Heinemann gave us a thorough understanding of the islands power supplies and especially the onshore installations of the electrical ferry and the e-ferry itself. This will help us to develop the necessary models and simulations for the implementation of a DIEM system on Ærø in connection with the e-ferry. Apart from these tours we were also presented a battery system by a company that might deliver a redox flow battery to the island.
We look forward to see the progress in the next network meeing at the end of February 2019.

Events

- **September 1-4, 2019** 7th International Workshop on Smart Energy Networks & Multi-Agent Systems, Leipzig, Germany
  Webpage
- **August 22-26, 2019** IEEE 15th International Conference on Automation Science and Engineering (CASE) , Vancouver, Canada.
  Webpage

- **June 25-28, 2018** 18th Annual Europeam Control Conference 2019 in Naples, Italy.
  Webpage
- **April 1-5, 2019** Hannover Messe, Hannover, Germany
  Webpage
- **September 22-25, 2020** Wind Energy Hamburg, Germany
  Webpage