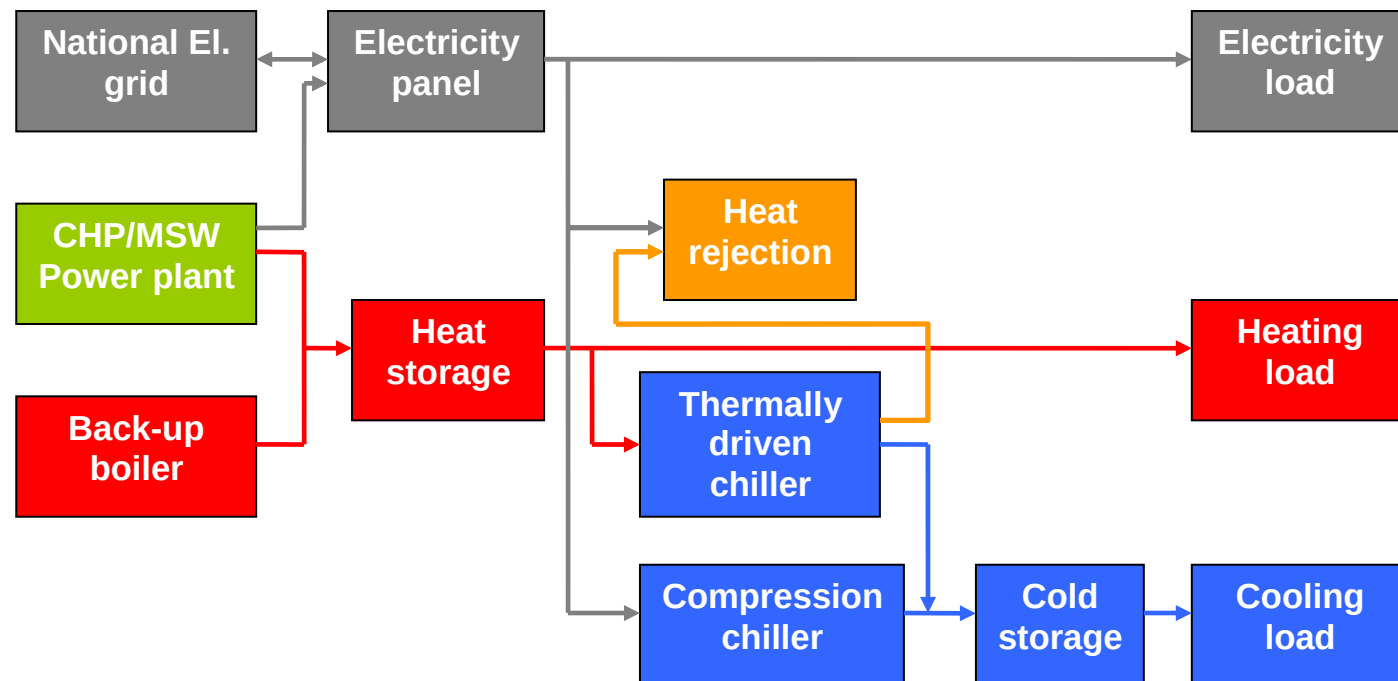


Objectives

- The overall project “Polygeneration with advanced small and medium scale thermally driven air-condition and refrigeration technology” aims at developing a set of technical solutions for a new market segment of polygeneration, in particular the market for small tri-generation systems (e.g. combined production of electric power, heat and cooling).



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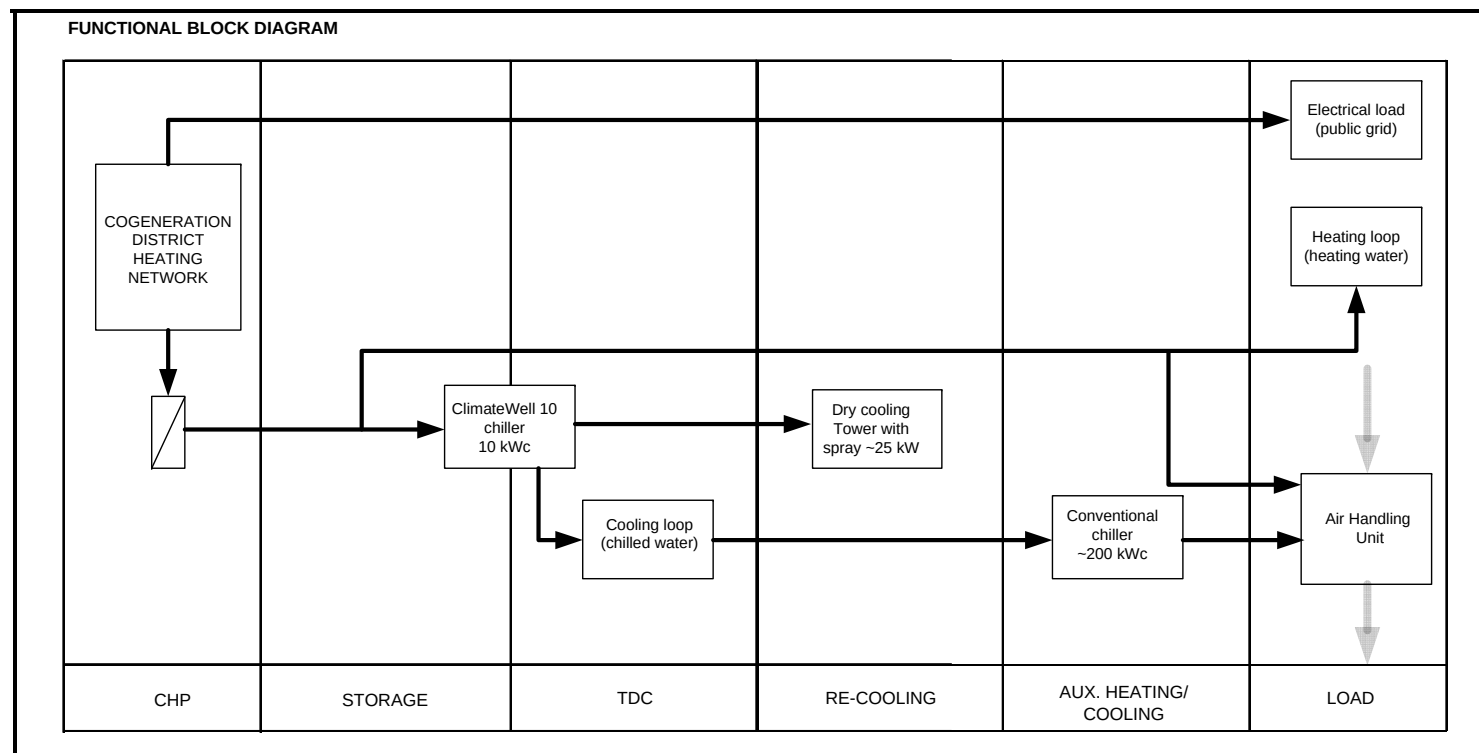
General concept of Polygeneration

Results

- The role of KTH in this project is to participate in documentation of state-of-the-art; analyze demonstration projects in Sweden and Spain and develop simulation tools based on these results; and simulate new process designs and applications.



Function diagram of demonstration plant in Borlänge, Sweden



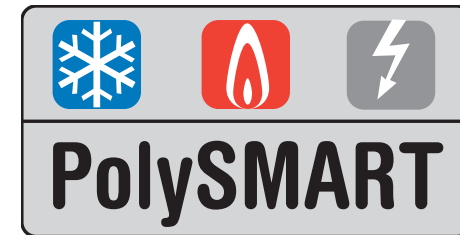
Source : Chris Bales (SERC, Högskolan Dalarna)

Project Details

- Project leader
Assoc. Prof. Andrew Martin
- Researchers
Ass. Prof. Viktoria Martin,
Prof. (em) Fredrik Setterwall
Dr. Chris Bales
- Research students
Seksan Udomsri
- Project duration
2006-2010
- Source of financing
European Commission under FP6
- Partners
Universities, industrial partners,
absorption manufacturers, consultants
and users in Europe
(www.polysmart.org)



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