



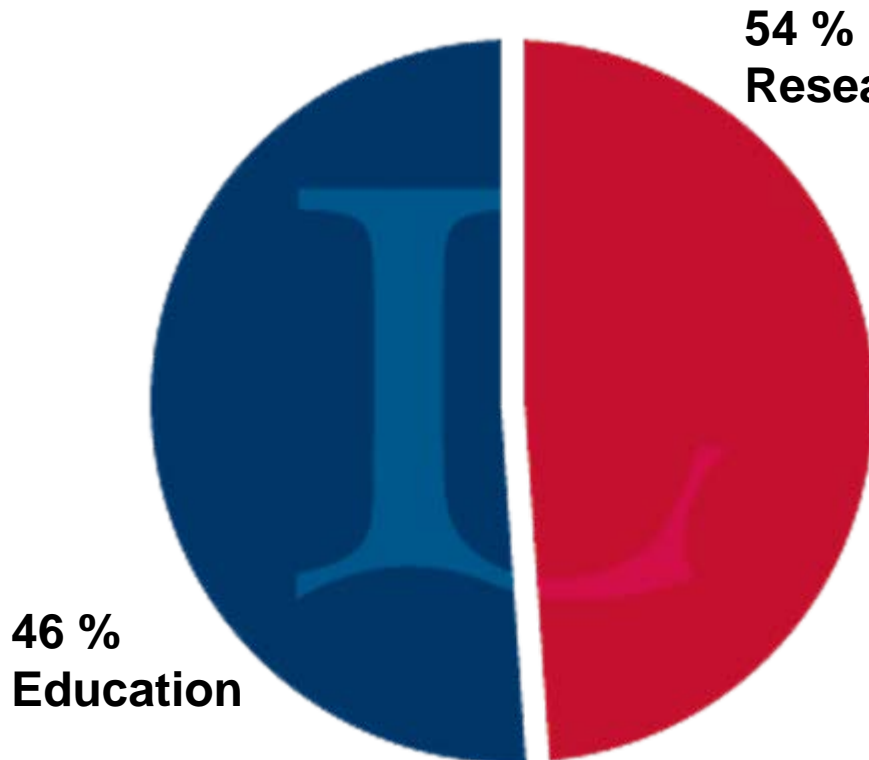
Luleå University of Technology

Department of Applied Physics and
Mechanical Engineering (TFM)

Jan Dahl, Head of Department



Facts about Luleå University of Technology



Founded 1971

- Turnover EUR 106 million
- 12,200 students
- 1,400 employees
 - 150 professors
 - 500 teachers & researchers
 - 516 doctoral students
- 69 research subjects in 12 research areas



Actors within the field of energy at LTU

- **Department of Applied Physics and Mechanical Engineering**
 - Division of Energy Engineering
 - Division of Fluid Mechanics
 - Division of Polymer mechanics
 - Division of Machine elements

- **Department of Civil, Mining and Environmental Engineering**

- **Department of Chemical Engineering and Geosciences**
 - Biochemical and Chemical Process Engineering
 - Chemical Technology

- **Department of Business Administration and Social Sciences**
 - Division of Social Science



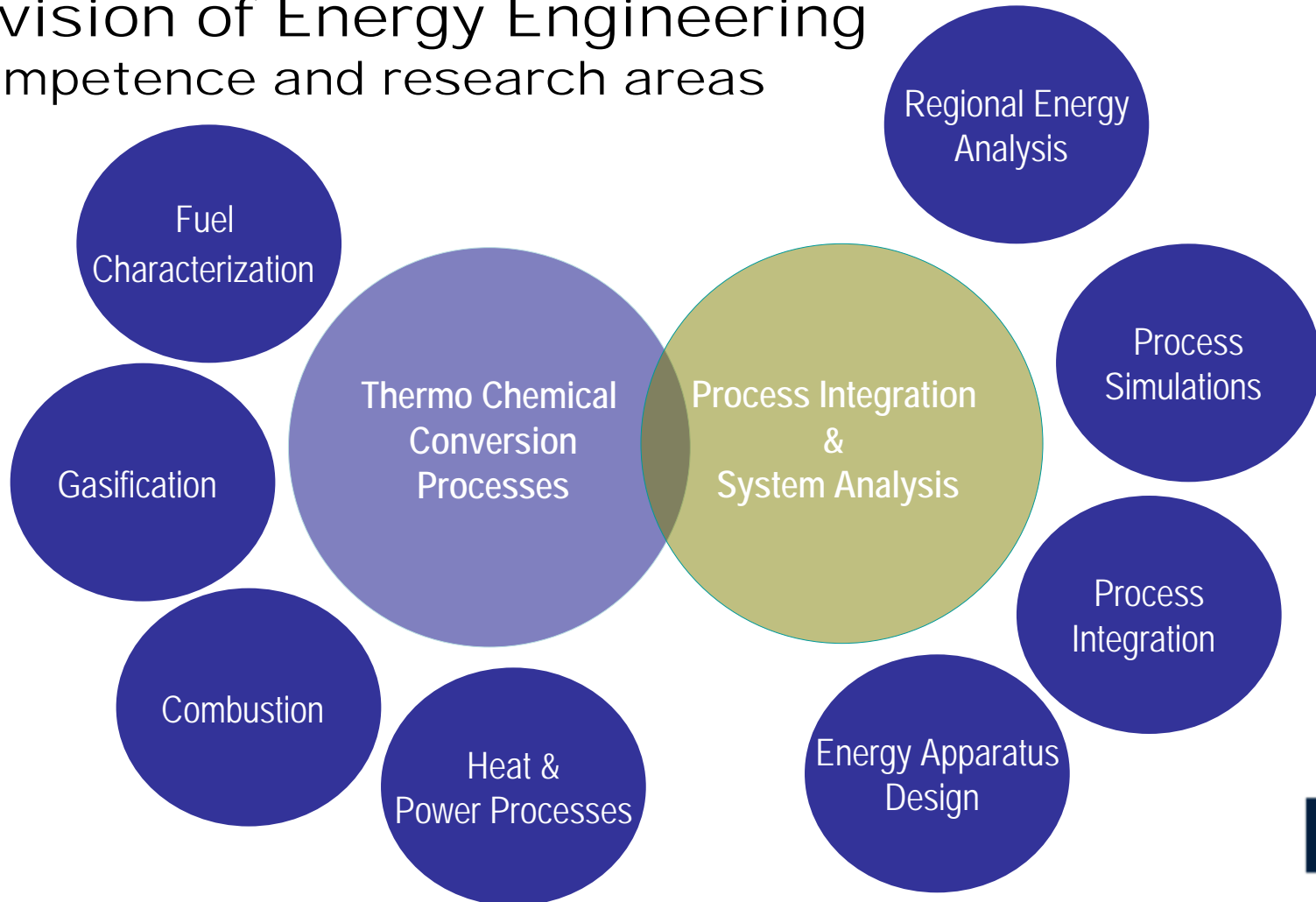
Energy related research areas at LTU

- **Energy savings/process integration within the process industry** (8 seniors and 7 Ph D students)
 - Mining Industry
 - Steel Industry
 - Pulp & paper Industry
- **Heat and power production via combustion and gasification** (7 seniors and 5 Ph D students)
 - New technology concepts
 - Emission minimization
 - High efficiency
- **Heat Storage/Snow storage (cooling)** (2 seniors and 6 Ph D students)
- **Hydro power** (12 seniors and 16 Ph D students)
 - Efficient production
 - Environmental (e.g fish migration)
 - Safety



Division of Energy Engineering

Competence and research areas





Thanks for your attention!

Jan Dahl

Docent, Head of Department

Department of Applied Physics and Mechanical Engineering

Luleå University of Technology

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