

Structural change in our economy

Global economy, hits us harder

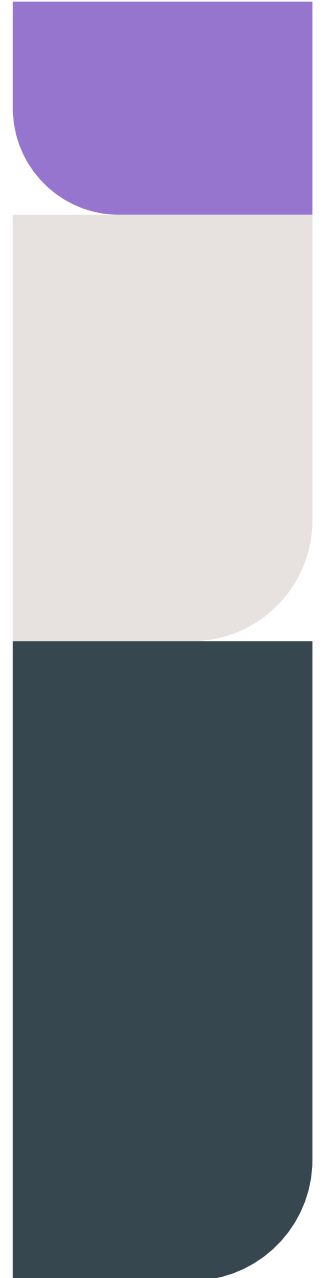
- China's dominance

Production trends

- Discrete → Process automation
- Horizontal → Vertical integration
- Large → Huge investment
- State aid and public commitment matters

Clean (electric) energy is key

- 10's of MW → 100's or 1000 MW
- 100% fossil free electricity, 70% import to the region. Use of electricity is expected to *triple* until 2040 (grid, wind, balancing, nuclear)



Competence

Three layers

Specialists are critical

Domain knowledge is important

Process industry 'literacy' is bulk/base

VGR

Competence mapping

R&D activities. Battery manufacturing (Nat. Competence Centre)

R&D infrastructure. e-motor, power electronics, battery, autonomous

Professional network in batteries (West Coast Battery Forum)

Education initiative (Battery Centre Gothenburg)

