Sweden’s Electrification journey – A Blueprint for Europe’s Energy Sovereignity

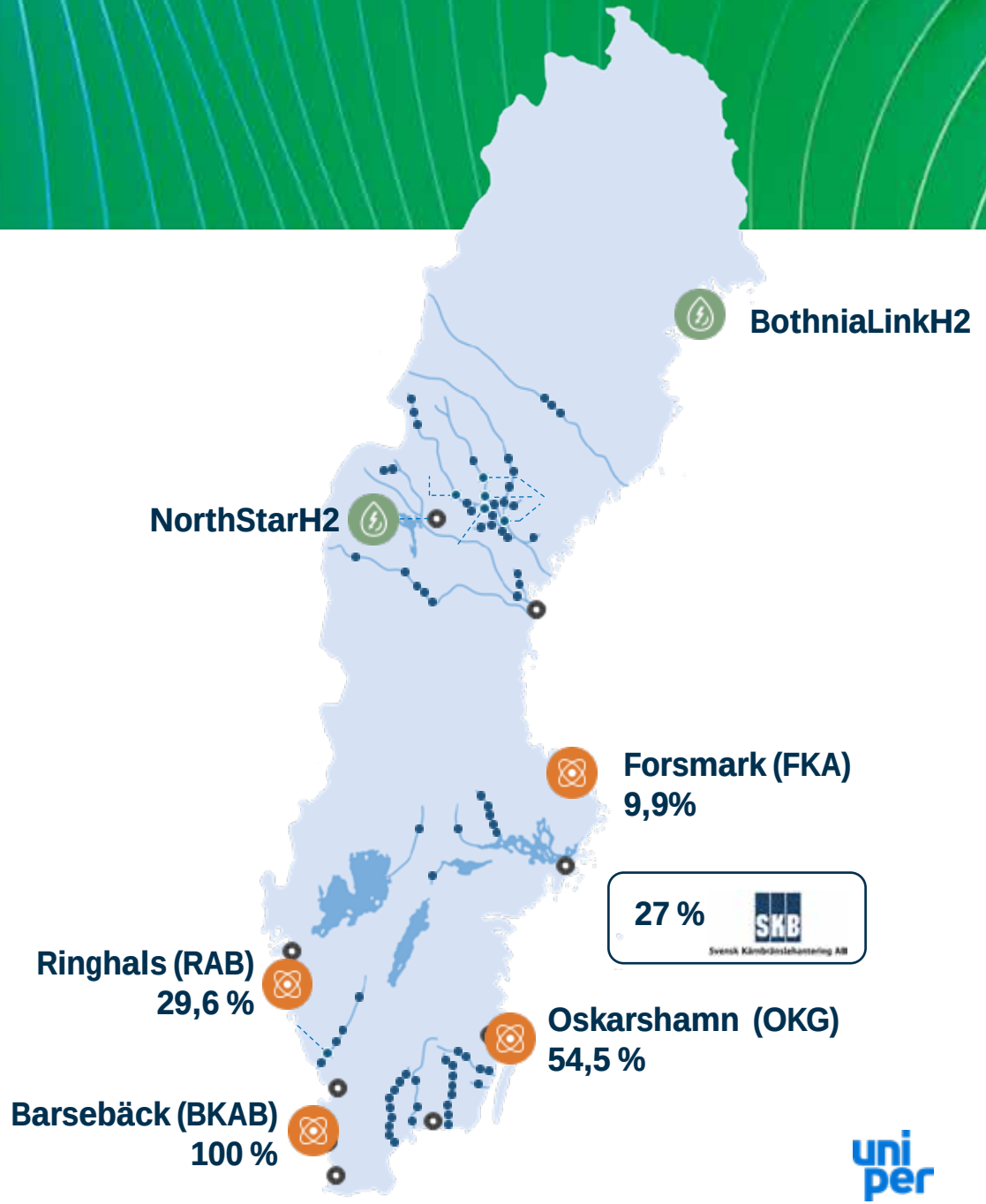
Patrik Hermansson, Head of Business Development Nordics

Uniper. The beating heart of energy.

Uniper Sweden

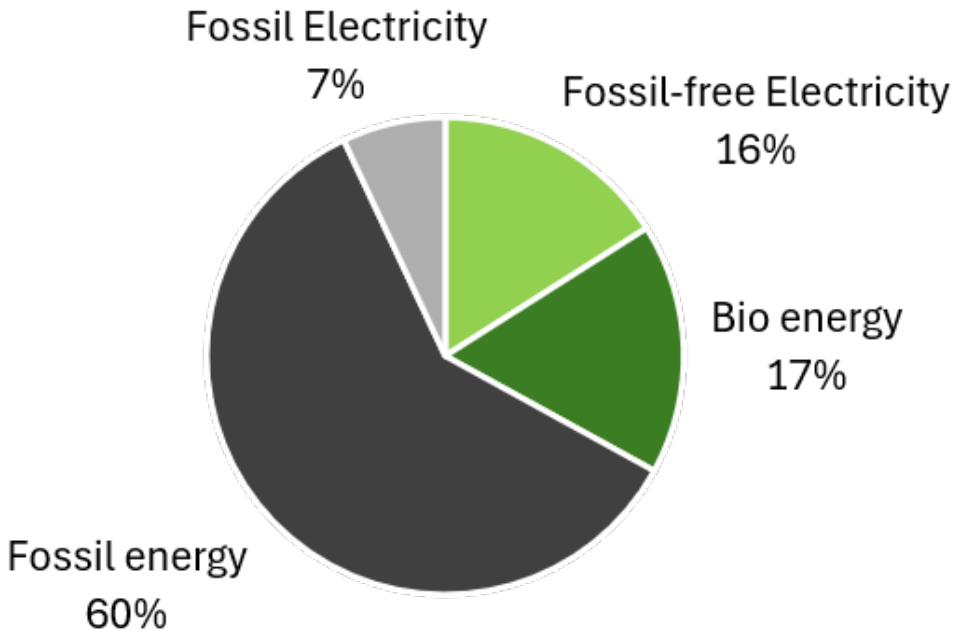
1 100 employed
21 TWh fossil-free power
4,7 GW capacity
15 % Sweden demand

- 4 Reactors Decommissioning & Dismantling
- 74 Hydropower Plants (1,7 GW)
- Strategic Reserve, Karlshamnsverket (662 MW)
- Electricity Prepardness, Öresundsverket, Malmö (448 MW)
- Disturbance Reserve, 9 gas turbines, HVO (599 MW)

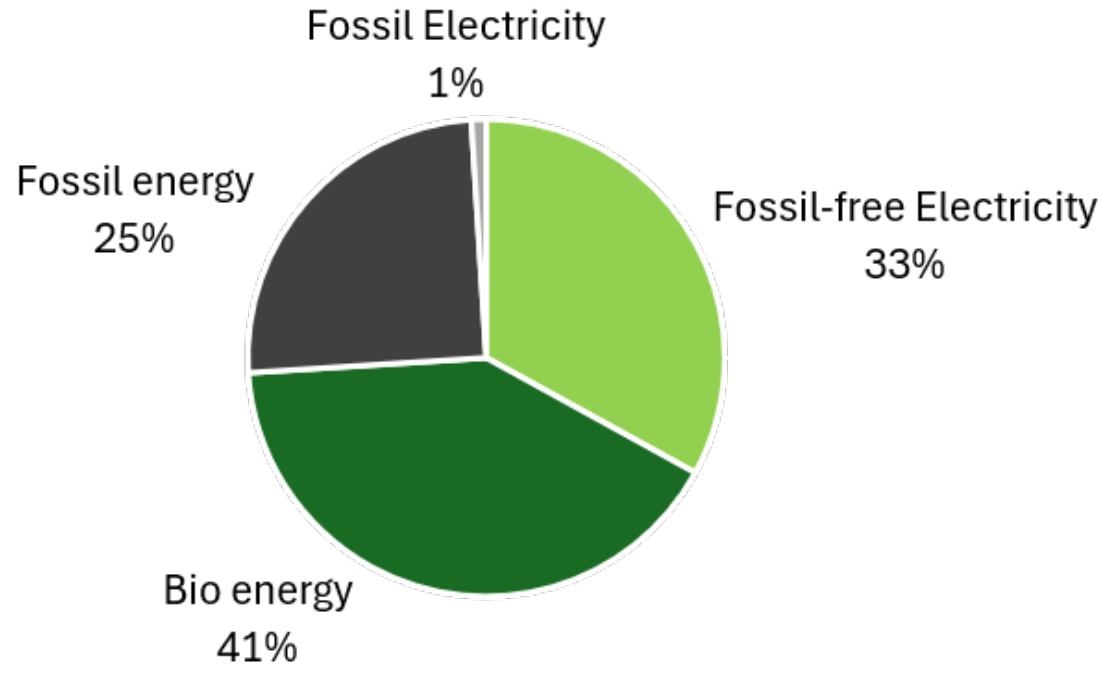


Total Energy Use

EU-27



Sweden



Share Fossil Energy

EU-27

67 %

Sweden

26 %

Reciprocal Tariffs
PRESIDENT OF THE UNITED

”Affordable, home grown, clean energy”[1]

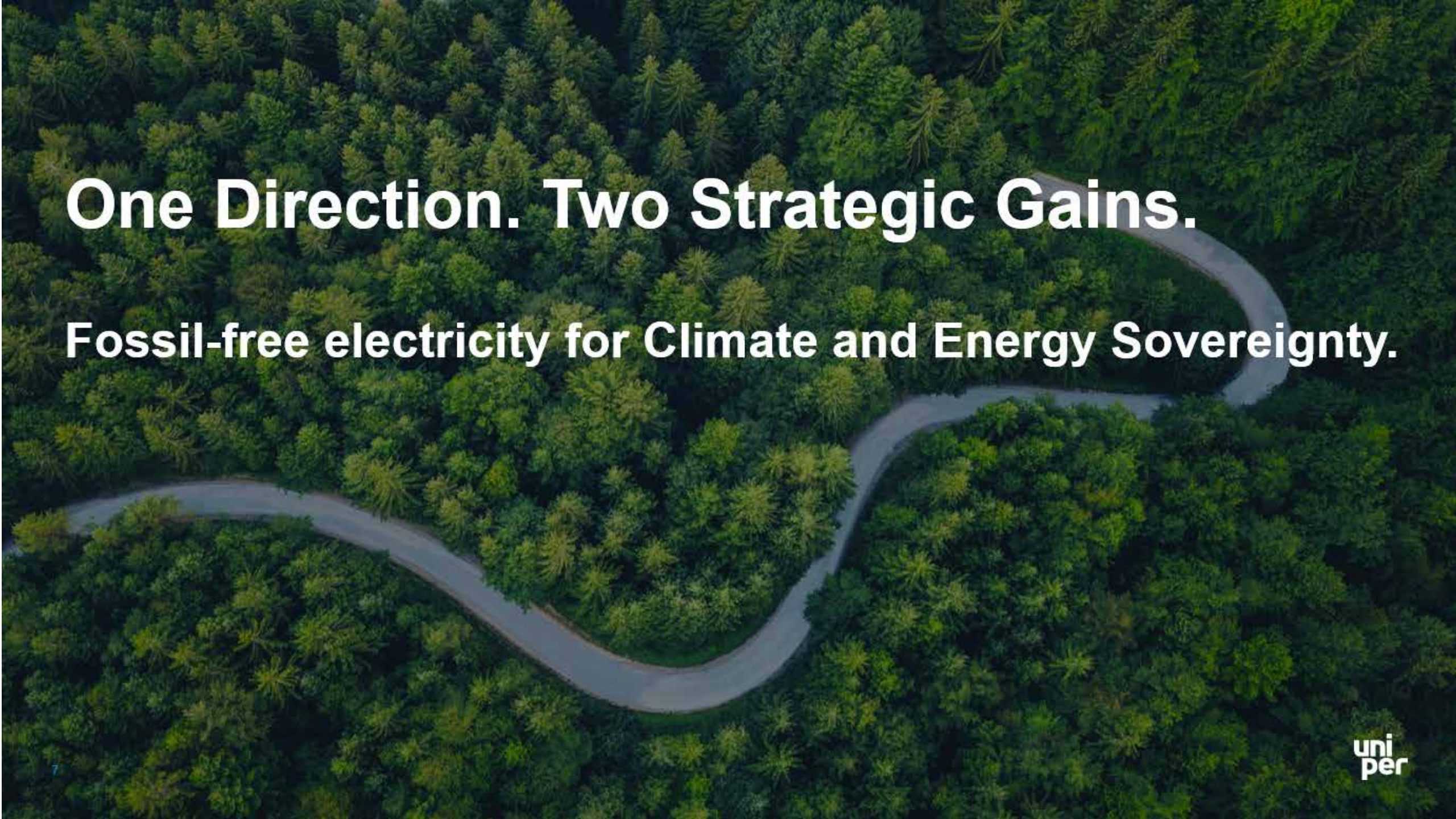
EU-27

33%

Sweden

74 %

1) Ursula von der Leyen, President of the European Union, State of European Union Address September 16th


One Direction. Two Strategic Gains.
Fossil-free electricity for Climate and Energy Sovereignty.

Replacing fossil fuels

1. Direct Electrification

2. Indirect Electrification, Hydrogen & Green Molecules

We have produced fossil-free
hydrogen since 1992
okg
- part of the energy business Uniper

NorthStarH2 – Uniper’s lighthouse project

Large scale electrofuel production in Sweden

Capacity

175 MW / 1,4 TWh

115 000 ton/a

Time schedule

2026 Front End Engineering and Design

2026 Envionmental permit

2028 Financial Decision

2031 Commercial Operation Date

Sweden’s Electrification journey
A Blueprint for Europe’s Energy Sovereignty

1. One Direction – Electrification
   Two Gains - Energy Sovereignty & Decarbonization.

2. Produce fuel in Europe –
   replace fossil imports, keep value at Home

3. Strengthen EU ETS - Stay the course. Raise the ambition.

”In short. Let’s make Europe’s future electric. This is a must.”

Ursula von der Leyen,
State of the European Union, Sep 16th.