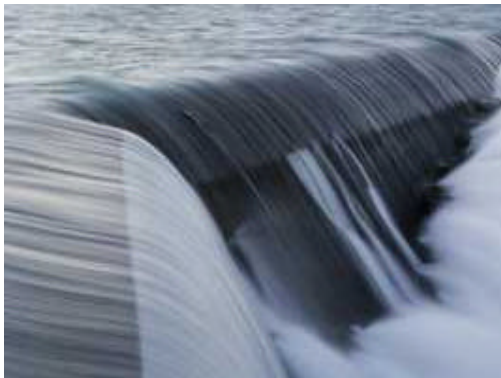


THE ENVIRONMENT-FRIENDLY ENERGY PROVIDER

- > Statkraft's vision is to be a European leader in environment-friendly energy



HYDROPOWER



WIND POWER



GAS POWER

- > **Annual turnover 2007 → 2.2 bn €**
- > **Profit after tax 2007 → 0.9 bn €**
- > **2300 employees**

EUROPEAN ACTIVITIES

- Head Office in Oslo
- Subsidiaries
- European offices
- Associated companies

- 158 hydropower plants

⚡ 3 wind farms

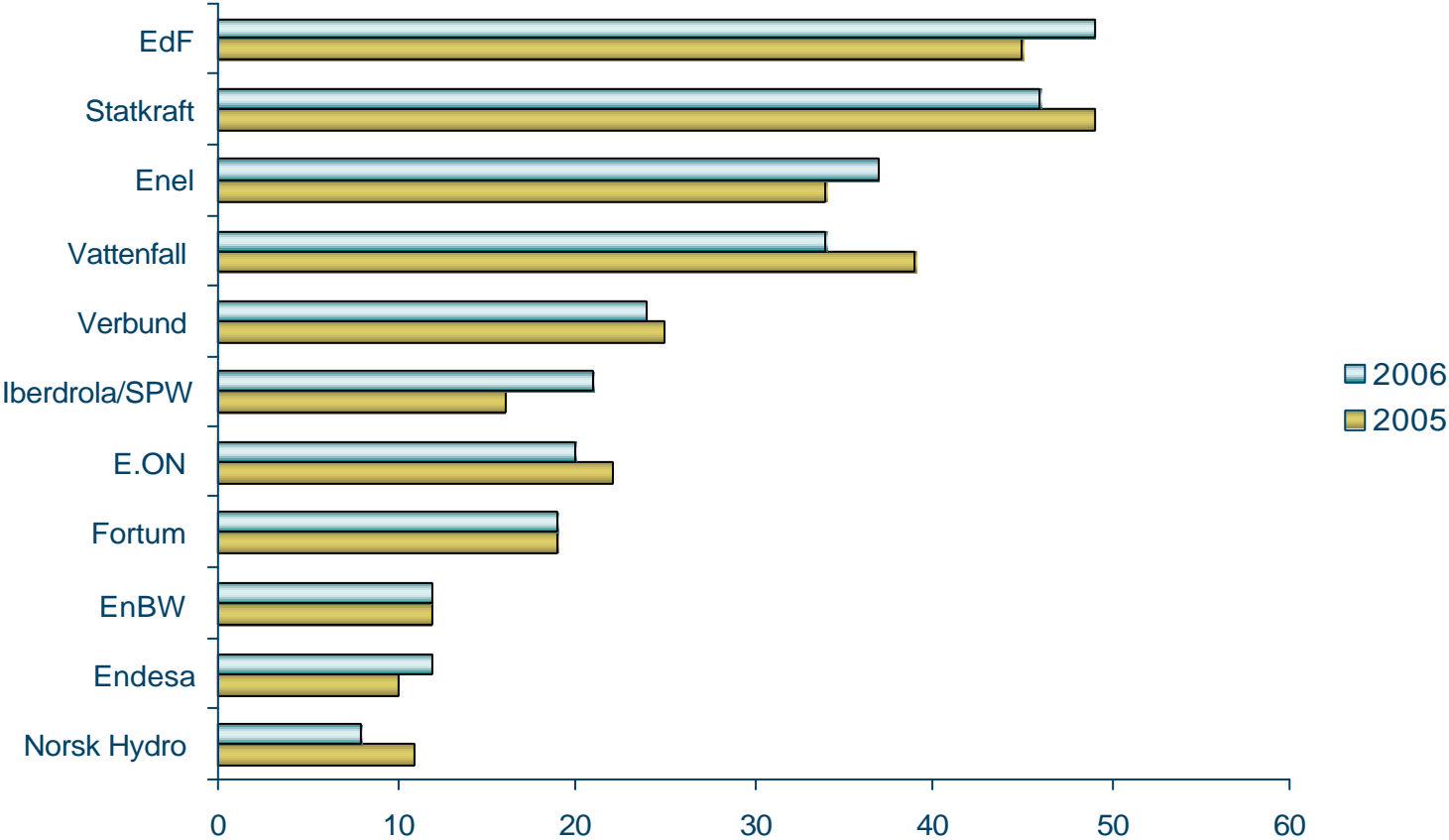
⚡ Baltic Cable

⚡ Gas power



EUROPEAN LEADER WITHIN RENEWABLES

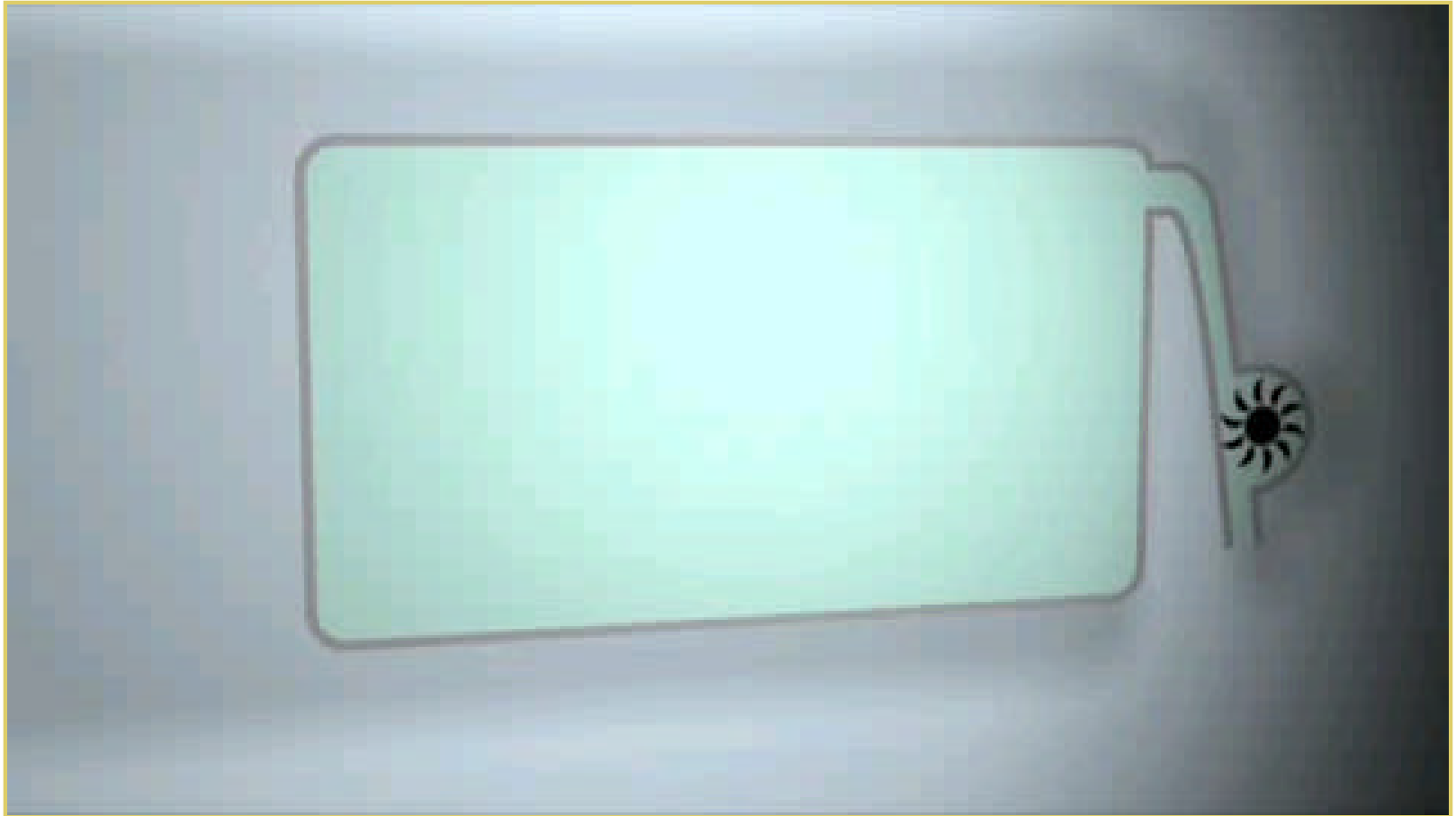
Power generation from wind power and hydropower, TWh



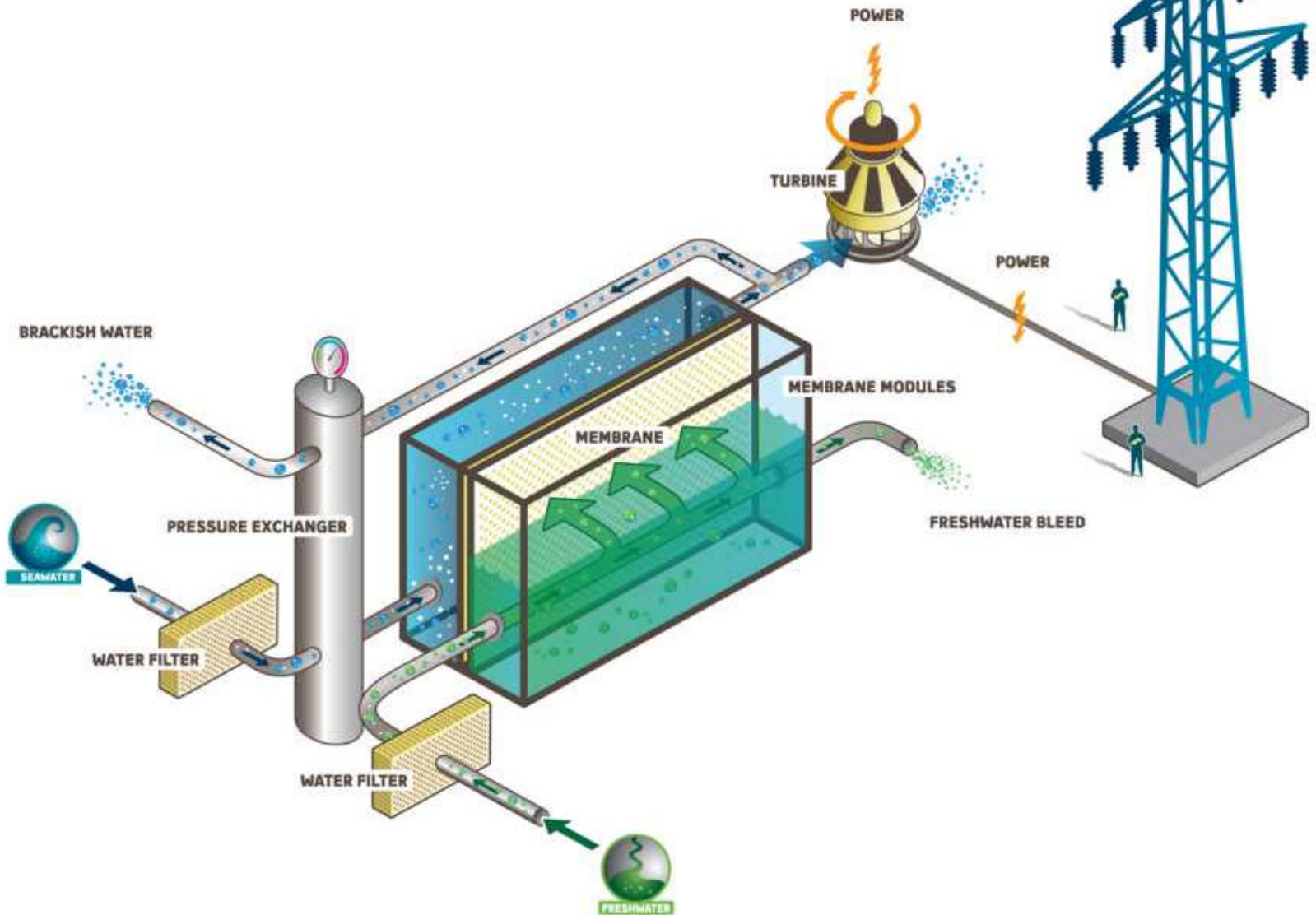


OSMOTIC POWER

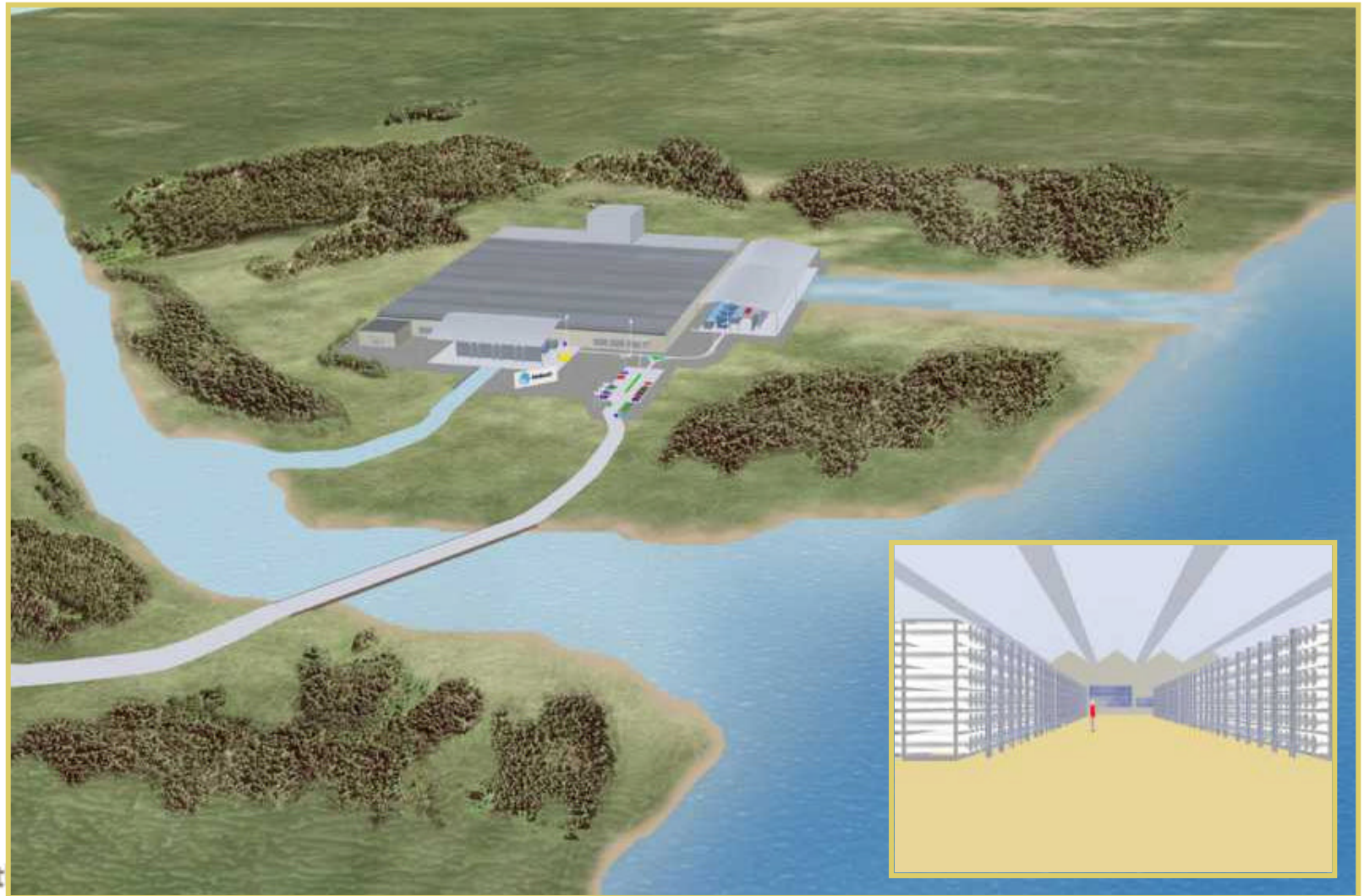
HOW DOES IT WORK?



THE OSMOTIC POWER CONCEPT



SEA LEVEL OSMOTIC POWER PLANT

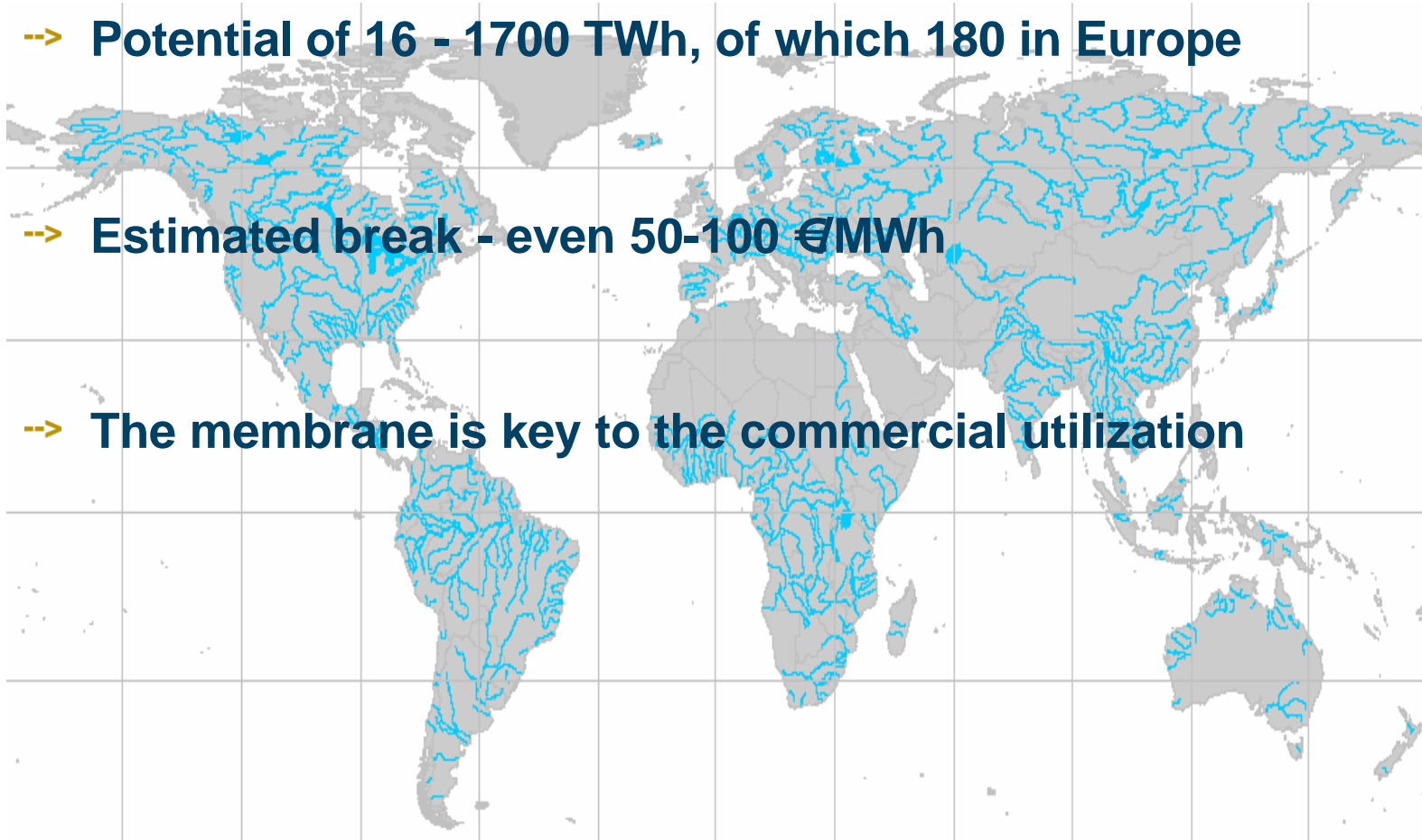


INDUSTRIAL OPPORTUNITY

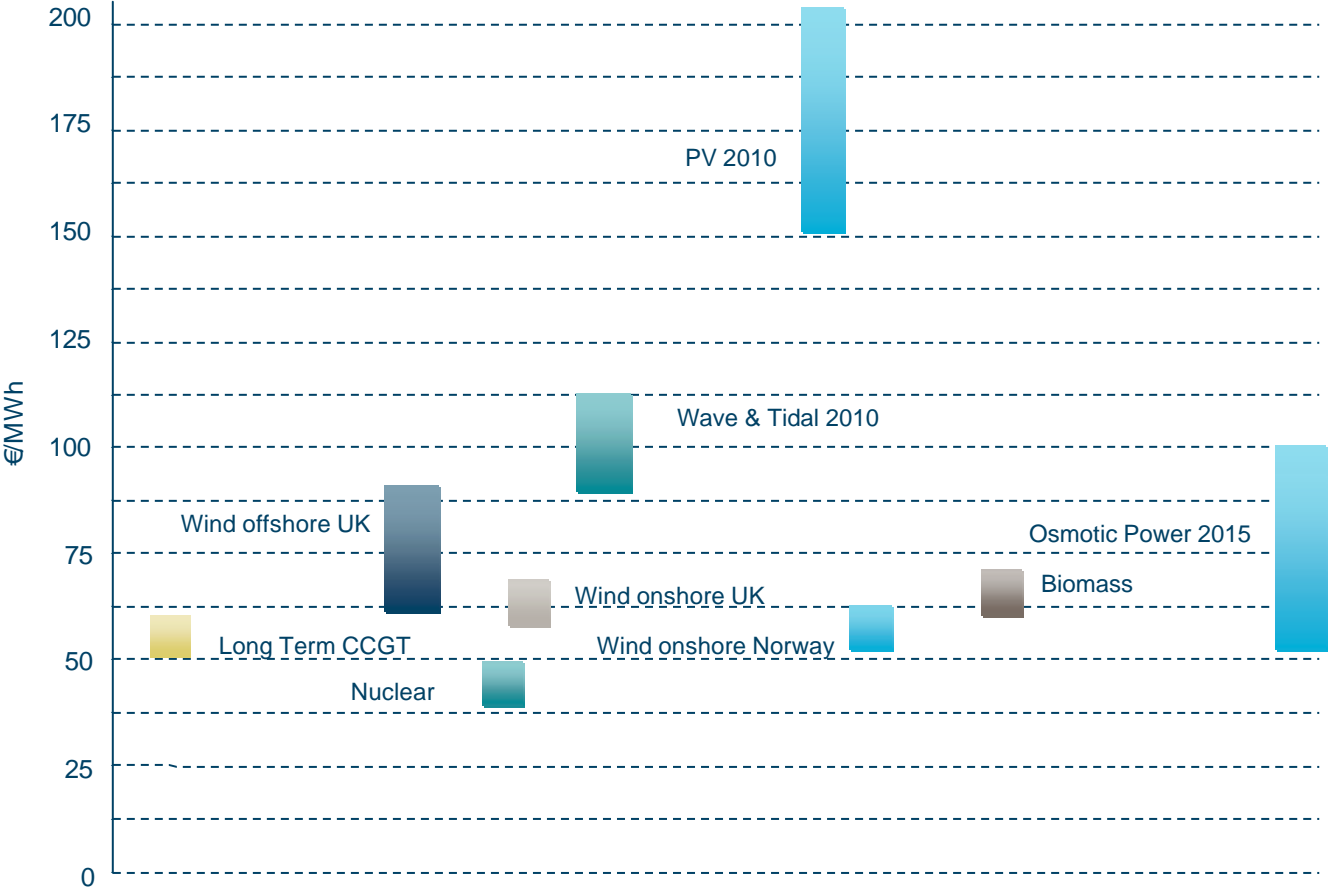
--> Potential of 16 - 1700 TWh, of which 180 in Europe

--> Estimated break - even 50-100 €/MWh

--> The membrane is key to the commercial utilization

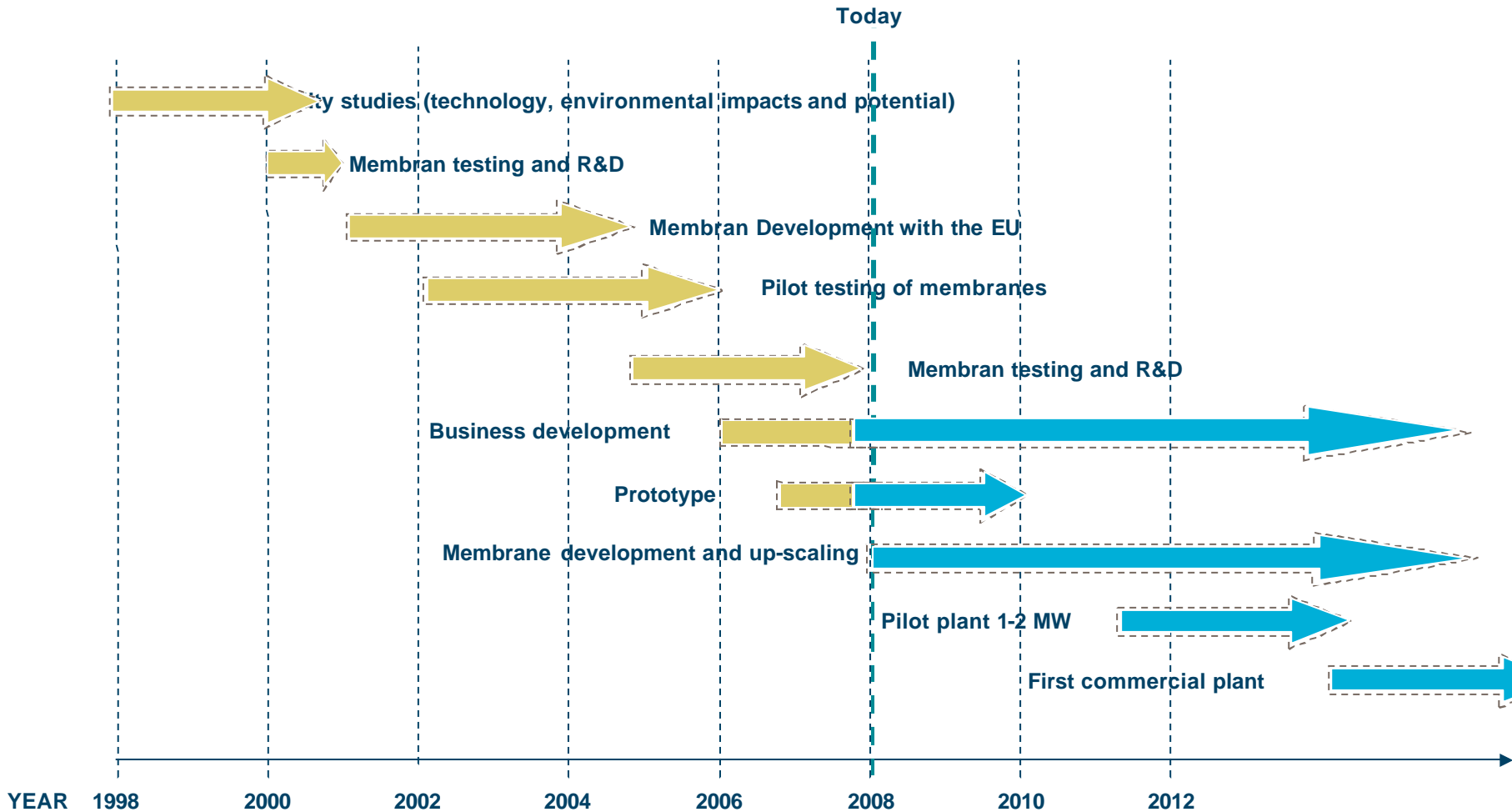


THE ENERGY MARKET



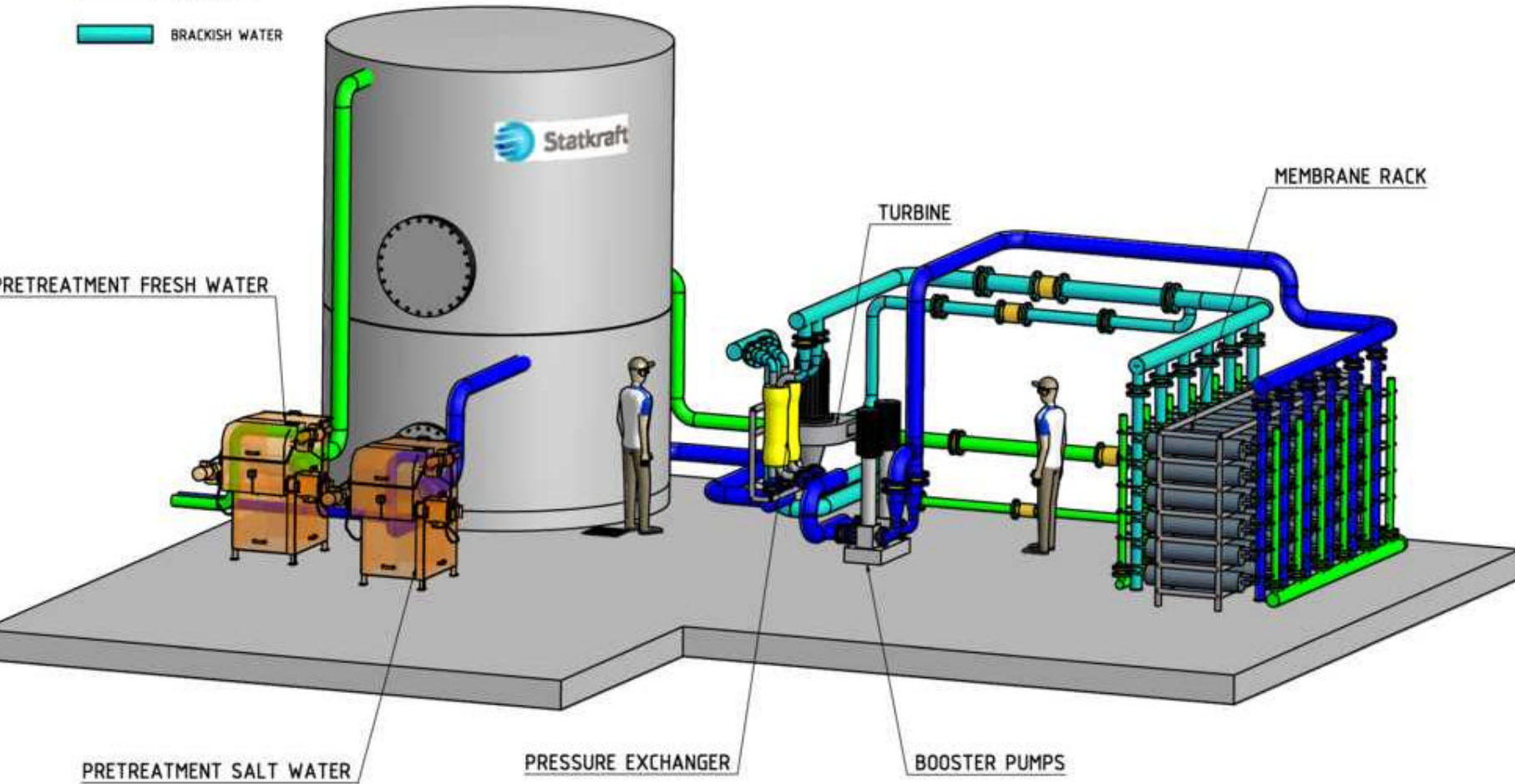
Sources: NordPool, Statkraft, Hydro, IEA, UK DTI, Emerging Energy Research – Leverized Cost

THE HISTORY AND THE FUTURE



OSMOTIC POWER PROTOTYPE

-  FRESH WATER
-  SALT WATER
-  BRACKISH WATER



PROTOTYPE SITE LOCATION



PRESENT SITUATION

- > Statkraft and R&D partners represent state of the art osmotic power knowledge and is the only known serious developer of the concept
- > The most prominent challenges are:
 - Efficient membrane
 - Process optimisation and scale-up
- > Acknowledged by a range of industrial companies, research organisations and official organisations
- > Statkraft will continue its development of Osmotic Power membranes in cooperation with industry and science

PURE
ENERGY

