

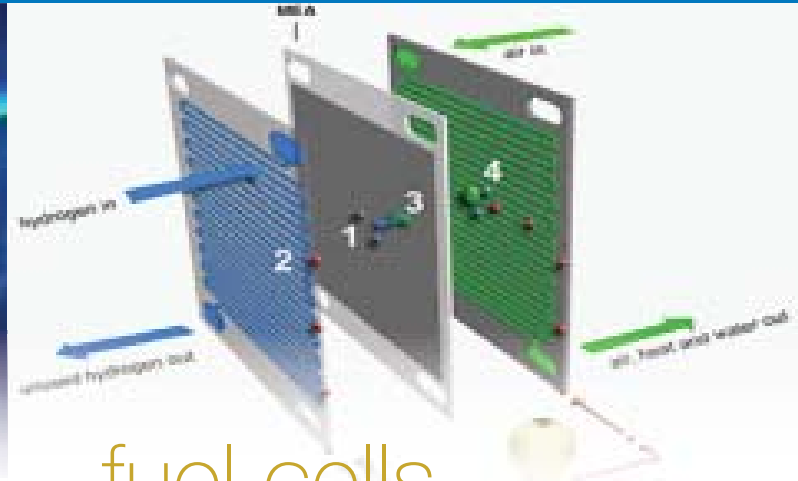
Energy

Service overview



wind

- Aerodynamic efficiency calculation
- Site Assessment
- Optimum location and hub height calculation



fuel cells

- Thermal management of stacks
- Prediction of quantitative response
- Leakage rate and damage analysis
- Development of materials
- Production techniques



bio-fuels

- Setting tank design
- Design of Filtration techniques
- Heat and Mass transfer prediction



wave/current

- Seal design
- Failure analysis of sealing components
- Hydraulic network design and simulation
- Performance characterisation of devices

Modeling Techniques

- Material modelling
- Steady-state and dynamic modelling
- Wave hydrodynamic modelling
- Computational Fluid-Structure Interaction
- Structural Modal Analysis
- Harmonic response analysis
- Electro-chemical modelling
- Thermo-chemical modelling