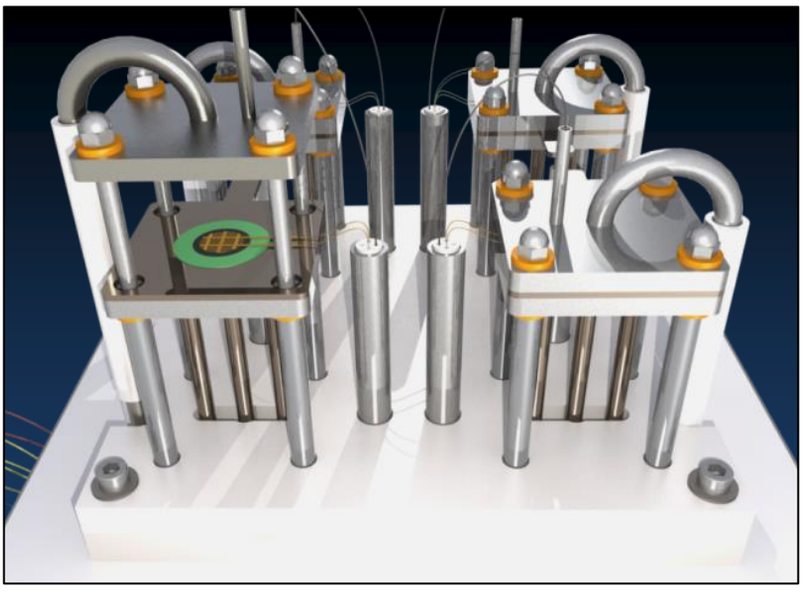
Fiaxell
SOFC Technologies™

Components for
Solid Oxide Fuel Cell development

Multi-Flanges™ (4-MF)

Four SOFC / SOEC cells tested in one setup



Four independent cells in one setup

Flexible cell dimensions and shapes up to ø 40 mm or 30 X 30 mm. Each head can have a different mounting and each cell will work independently from the others.

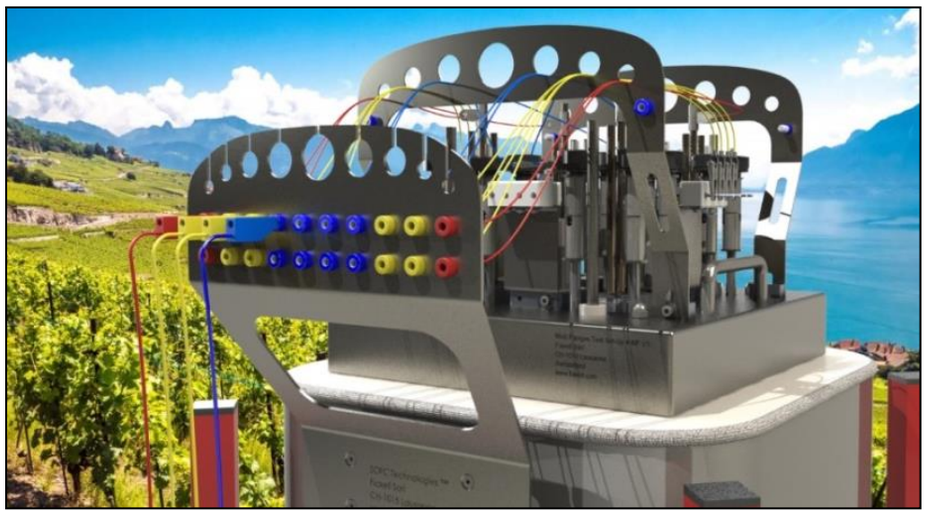
Open flanges or gas recovery with mica, glass or gold ring sealing for SOFC / SOEC testing.

Testing in ideal or real conditions: A stainless-steel terminal such as Cell-Connex™ can replace the nickel diffusers and/or gold M_Grids™ used for ideal measurements.

Quick compression system: Thanks to our quick compression system, mounting all 4 cells is fast. Four external calibrated springs for each of the 4 flanges ensure a constant and controlled pressure on the cell.

Integrated steamer for electrolysis: the Easy-Steam™ produces a constant steam flow on the cell and allows for EIS measurements. For co-electrolysis, CO_2 is injected along with the water.

For integrated gas processing the setup is equipped with the "CAT-PRO™“ and its Al_2O_3 cartridge, temperature and sampling probes.



Multi-Flanges test rig, designed for intensive cell development

Long term testing kit with alumina housing on air side allows to prevent any poisoning (chrome, nickel, iron, silicon, etc.). For protonic cells, it comes with an integrated steamer.

www.fiaxell.com PSE-A Science Park CH - 1015 Lausanne
Switzerland info@fiaxell.com tel: +41 78 677 56 05