EASTERN Electrolyser

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JOURNEY SO FAR

























OUR ELECTROLYSER



Stack Life

Industry leading at 100,000 hours.

Current Density

Industry leading at close to 5000 Amps/m2.

Electrode Plating

Own efficient plating technology required for higher current densities and lower power consumption.

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Power consumption

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DC Power consumption of the Stack at roughly 4.0 KW/Nm3 of H2, one of the lowest in the industry.

Containerization

Novel designs for compact fitment into Containers for MW rated large Electrolysers.

ELECTROLYSER SYSTEM CONTAINERS



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OUTPUT CHARACTERISTICS

Purity of H2 Gas better than 99.999% Direct feed pressure of 30 bar(g).

PERFORMANCE

- Availability of 98% or more.
- Automated (no operator required).
- Operating temperature: -40 Deg. C.(-104 Deg. F.)
- to +50 Deg. C. (+122 Deg. F.)
- Seismic qualification.

COMPACT

Low footprint for high capacity Systems.





DESIGN STANDARDS

As per global ISO, ASME, IEC and ATEX requirements.

OPERATIONS & MAINTENANCE

- Plug & Play construction.
- Designed for outdoor operation.
- Very low maintenance.
- Compliant with latest energy efficient directives (Eg- IEEE)





OUR INTELLECTUAL PROPERTIES

CUSTOM DESIGN ENGINEERING

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Established proven system solutions for various processes:



OUR INTELLECTUAL PROPERTIES CONTD.

PACKAGING EQUIPMENT









