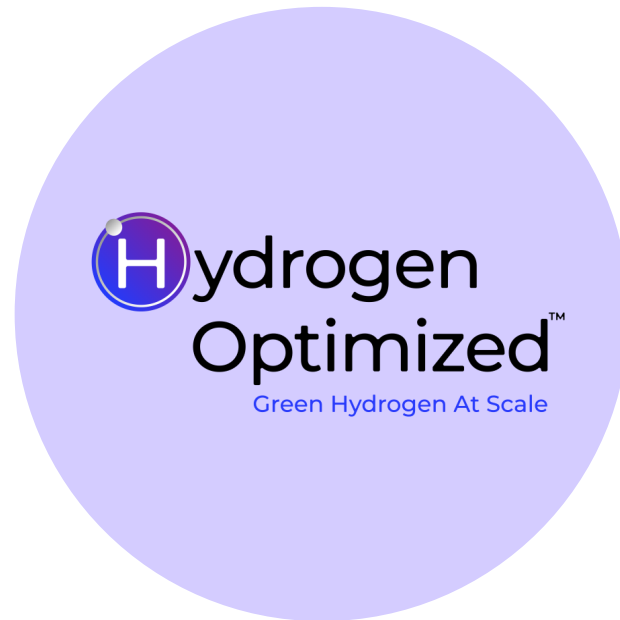




Introduction to Hydrogen Optimized

RuggedCell™ Water Electrolysis System

Hydrogen Optimized™: Mission and Vision



Mission

To lead the displacement of carbon emissions through Green Hydrogen.

Vision

To become the world's leading green hydrogen company based on transformative technology and innovation.

Goal

To be the first to sell 10 GW of water electrolysis systems.

Our Leadership

Hydrogen Optimized Leadership Team



President, CEO
Andrew Stuart
BEng, MAsC, PEng



VP Finance
Mike Nicholson
CPA, CA



**VP & Chief
Administrative Officer**
Lorraine Mickiewicz



VP Product Strategy
Edward Stuart



**Director of Business
Development**
Joseph Habchi
BEng



Director of ESG
Bryce Conacher
BA, MBA



VP Engineering
Charley Pappas
BASc, PEng



VP Technology
Dr. Rob Gravelins
BEng, PEng, PhD

Four Key Drivers Creating Momentum in the Hydrogen Industry



Growth

Total addressable global market for Green Hydrogen of US\$12 T



Technology

Green Hydrogen cost curve expected to decline toward cost parity, facilitating mass adoption and use



End User ESG Considerations

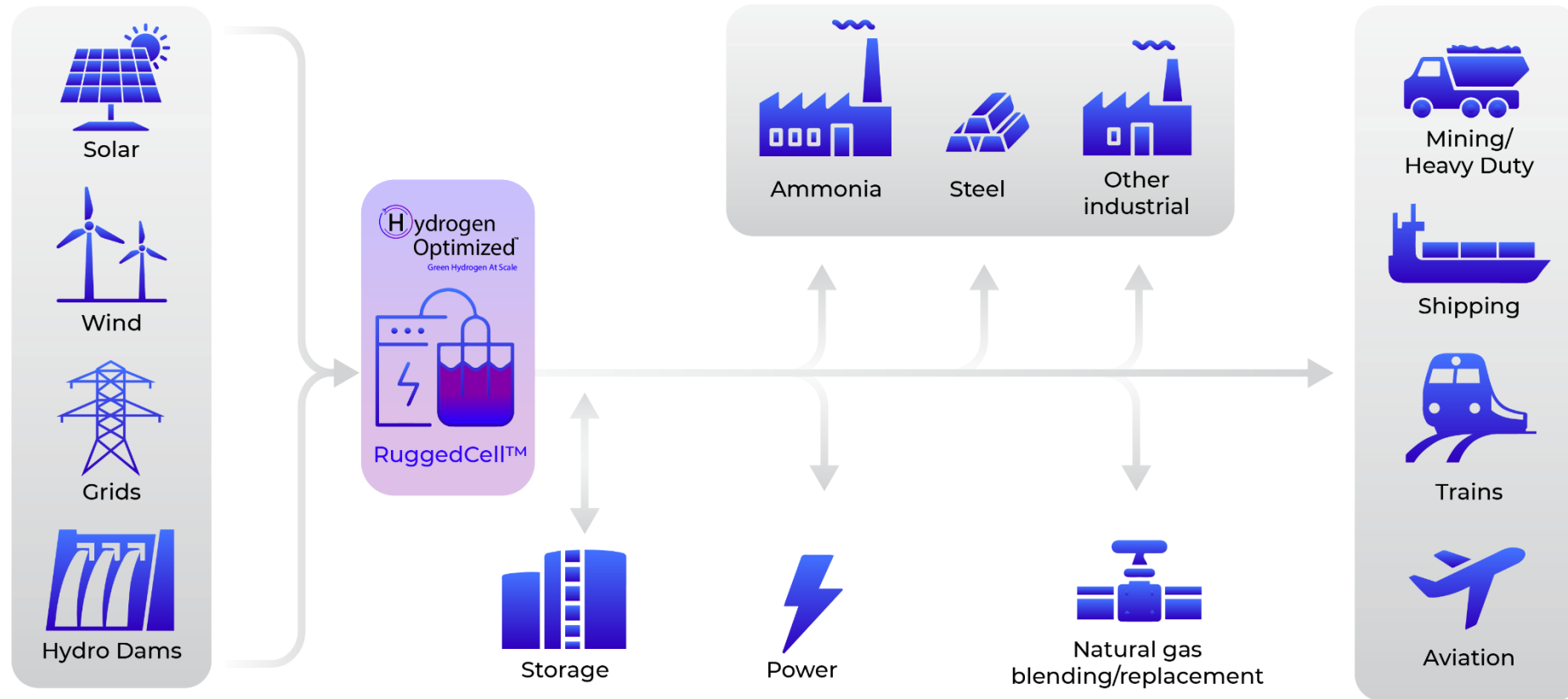
“Hard-to-abate” industries require Green Hydrogen at scale to drive massive decarbonization and meet ESG objectives



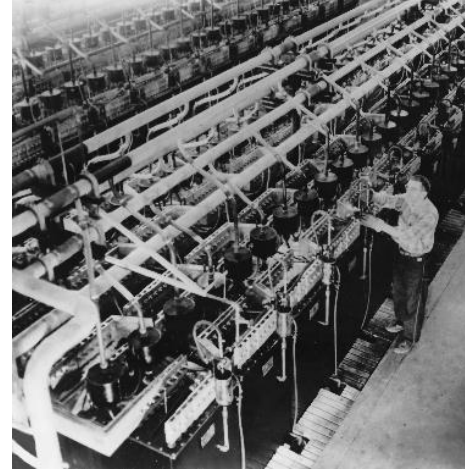
Government

To date, 31 countries representing 73% of global GDP have established formal Green Hydrogen plans

Hydrogen Optimized™ as the Bridge to Carbon Neutrality



Context: **Stuart Family History** & Hydrogen Optimized™



- Since **1905** the Stuart family have been leaders in **Green Hydrogen**
- In **2017** Andrew and Edward Stuart formed **Hydrogen Optimized™**
 - To develop and commercialize a new innovation:
The RuggedCell™

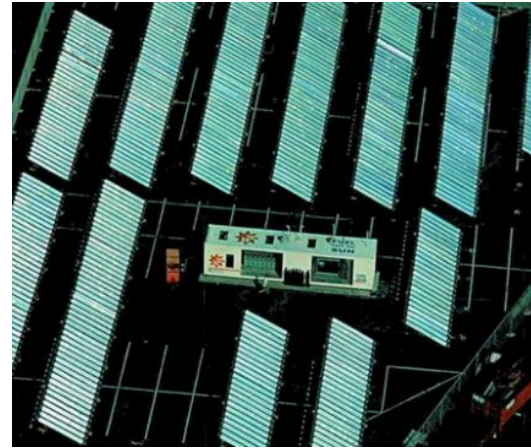


ABB & Hydrogen Optimized™ - Sign MOU

Sept. 10, 2020 – “This collaboration advances the commercial availability and feasibility of large-scale green hydrogen systems. We have been exploring this type of project for more than two years and the synergies with Hydrogen Optimized have been very apparent. We have a clear vision, and the results could be significant.”

- Charl Marais, Global Product Manager, Process Industries, ABB



Company Facilities

Owen Sound, Ontario, Canada

Description	38,500 sq. ft. manufacturing facility with options to expand to 195,000 sq. ft.
Features	Industrial manufacturing infrastructure
Expected Annual Production Capacity	Initial capacity of up to 500 MW per year of RuggedCell electrolyzers by end of 2022, with ability to expand production capacity up to 2 GW which is anticipated prior to the end of 2024



Further Information

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