

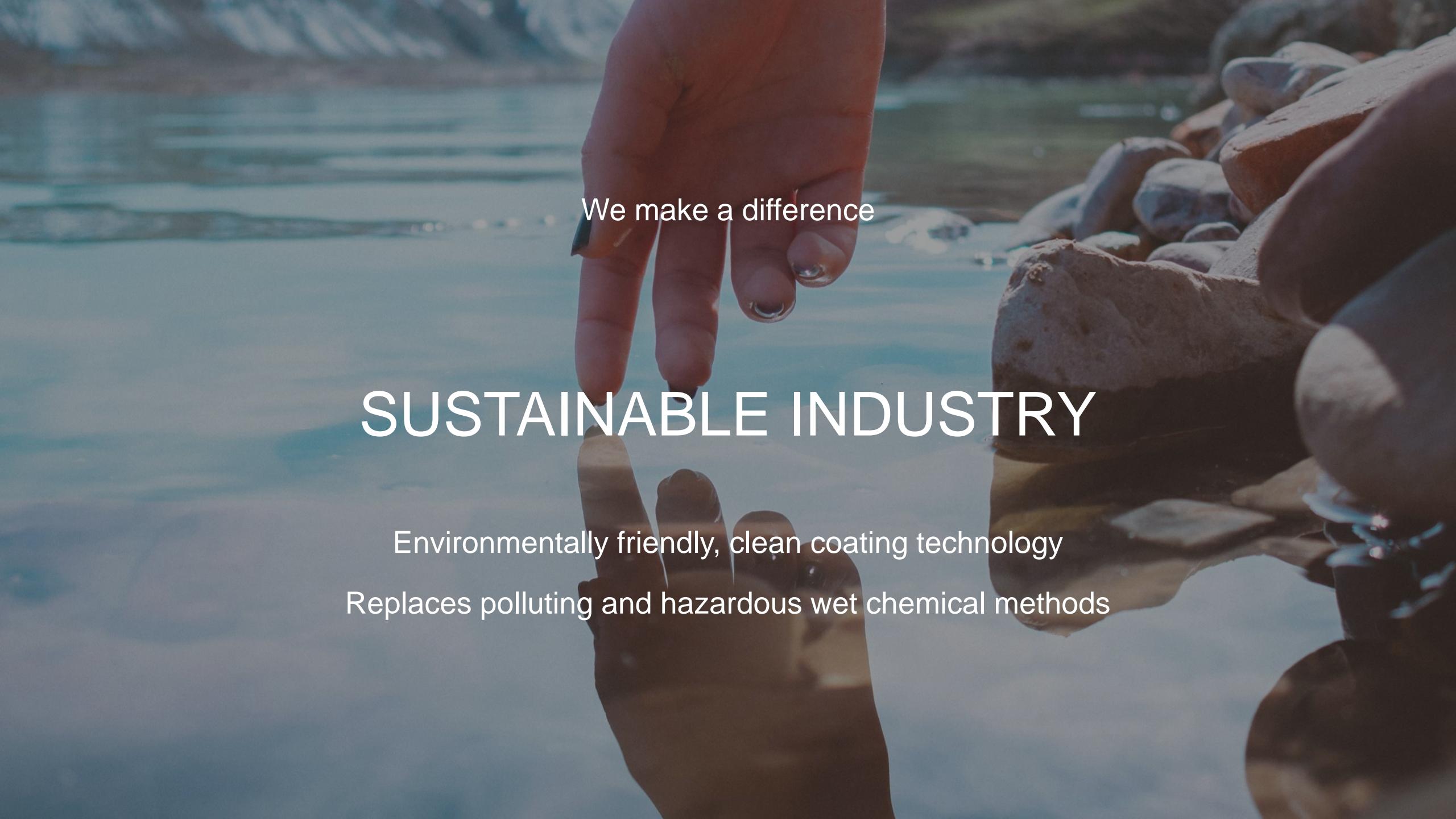


IMPACT
COATINGS

Clean Coating Technologies for a Green and Safe Future

Pareto Securities' Renewable Energy & Cleantech Conference

October 13, 2021



We make a difference

SUSTAINABLE INDUSTRY

Environmentally friendly, clean coating technology

Replaces polluting and hazardous wet chemical methods



We make a difference

FOSSIL-FREE SOCIETY

Sustainable hydrogen-electric energy system

Hydrogen-powered CO₂-neutral transportation



HYDROGEN
ENERGY STORAGE

A young girl with blonde hair, wearing a white t-shirt and a pink backpack, is smiling at the camera while leaning against a car. The background is a blurred outdoor setting with greenery.

We make a difference

AUTONOMOUS SAFETY

Autonomous safety functions

Self-driving vehicles and services

IoT monitoring systems

Impact Coatings in brief

Mission

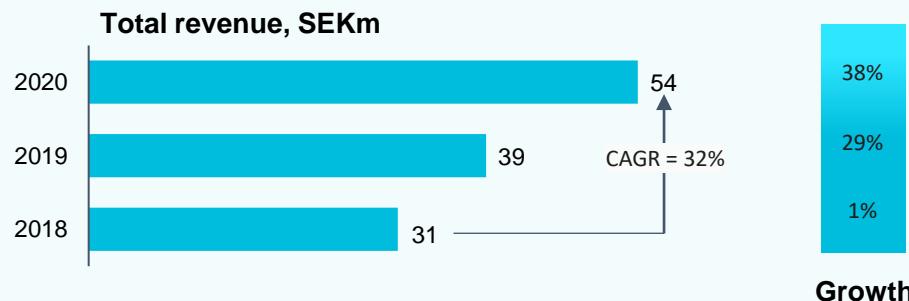
Providing **clean coating technologies, coating systems, and services** supporting innovation and the transition to a safe and sustainable society.

Company facts



Founded
1997 IPO
2004 HQ: Linköping,
Sweden 39 FTE's
+ consultants

Financial development



Key investors

Accendo Capital (12.0%) and **Hyundai Motor Company** (9.6%) are the largest shareholders.



Impact Coatings today



Impact Coatings in brief

- Develops and **commercializes clean coating solutions** for a wide range of applications
- **Significant growth potential** linked to global megatrends like sustainable industry, fossil-free society, autonomous driving
- Sales teams in **Europe, USA, China and Korea**
- Local service partner in **China and Southern Europe**



APWAVES



Selected customers

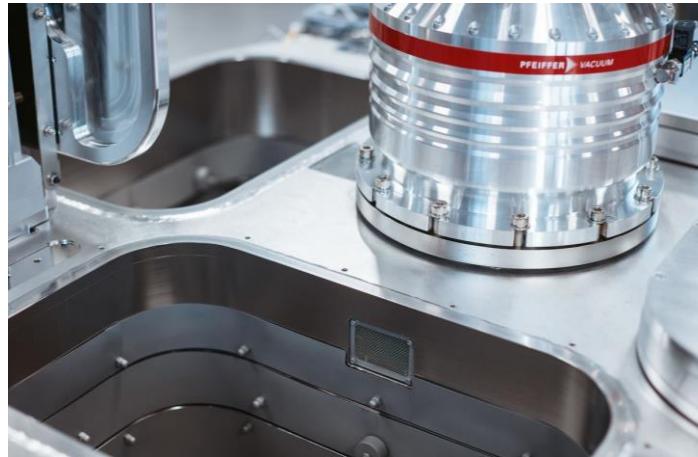
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Why partner with Impact Coatings?

Coating Services



Coating Technology and Systems



Aftermarket Sales and Services



R&D and Testing



Prototyping



Ramp-up

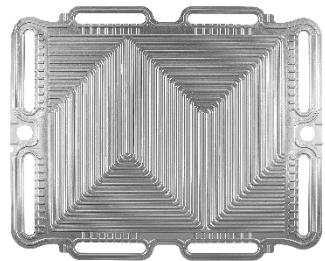


Volume Production



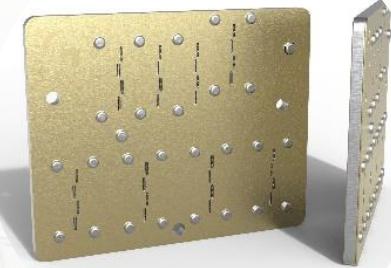
Business Areas

Hydrogen solutions



Fuel cell BPPs and
Electrolysis plates

Automotive safety components



V2X antennas, radomes,
emblems & reflectors

High-end consumer products



Eyewear, watches &
jewellery

Core Automotive Business

Hydrogen electrification, and why it's needed



Electrolysis: $\text{⚡} + \text{water} \rightarrow \text{hydrogen} + \text{oxygen}$

Fuel cell: $\text{hydrogen} + \text{oxygen} \rightarrow \text{⚡} + \text{water}$

Global hydrogen initiatives



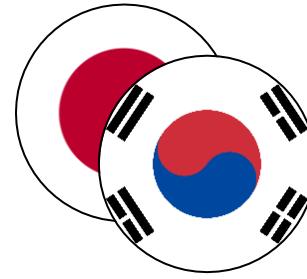
- Biden administration launched **Hydrogen Energy Earthshot** (June 2021)
“1 1 1 – \$1 for 1 kg clean hydrogen in 1 decade”
(80% hydrogen production cost reduction)
- The U.S. Department of Energy (DOE) announced **\$52.5 million for clean hydrogen R&D**, to support the initiative



- Hydrogen strategy for a climate-neutral Europe (July 2020)
- **To 2050, investments in hydrogen are estimated to €180-470 billion**
- European automotive industry takes global market position: Bosch, Schaeffler, Michelin, Faurecia, Elring Klinger, Plastic Omnium, Daimler and Renault



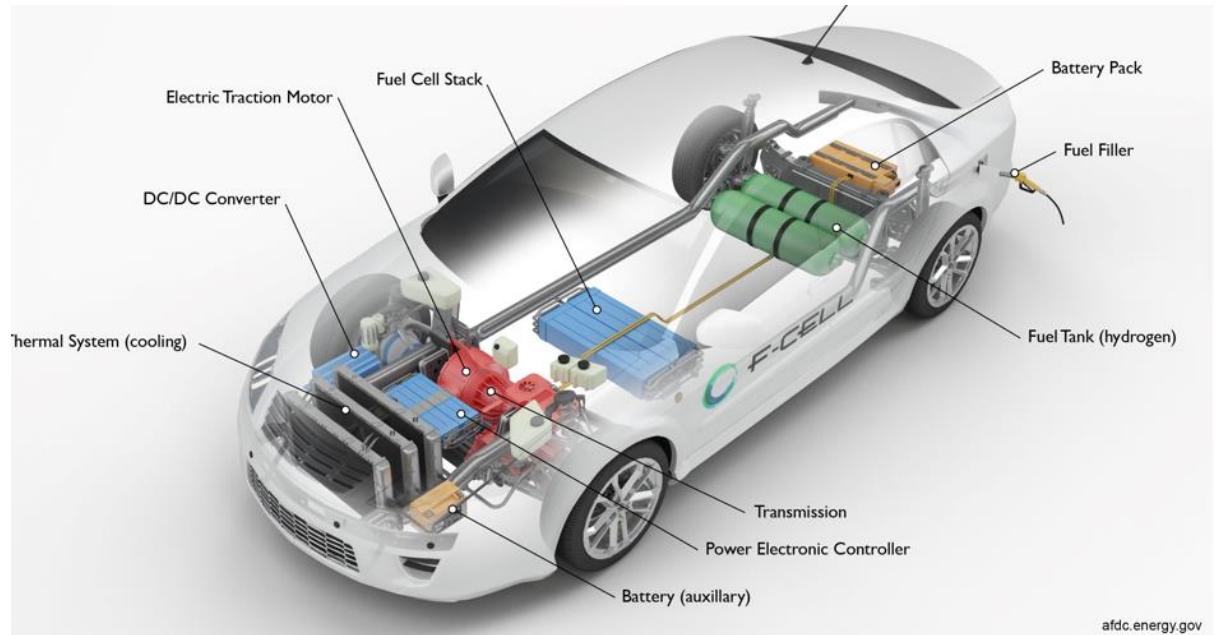
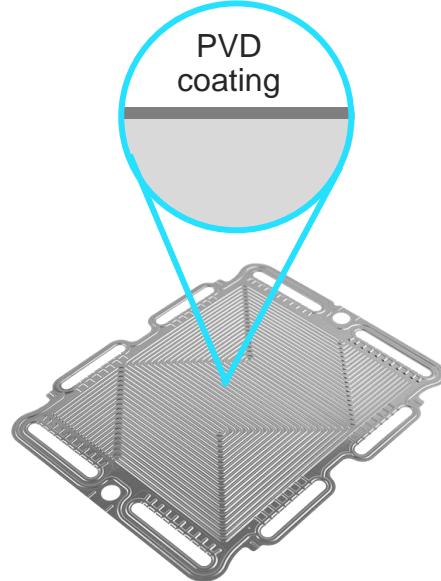
- Hydrogen industry one of China's six industries of the future, in the 14th Five-Year Plan (2021-2025)
- **Targeting 1M FCEVs in operation by 2030**
- Strong focus on commercial vehicles, but major car OEMs also develop FCEVs
- To date dependent on foreign technology



- Betting on large-scale use of hydrogen across society
- Strong national hydrogen industry eco-systems
- Japan targets 800K FCEVs and 900 hydrogen refueling stations by 2030
- **South Korea targets 6.5M FCEVs by 2040,**
- Largest car maker Hyundai targets 700K FCEVs by 2030

Coating technology for cost-efficient Fuel Cell systems

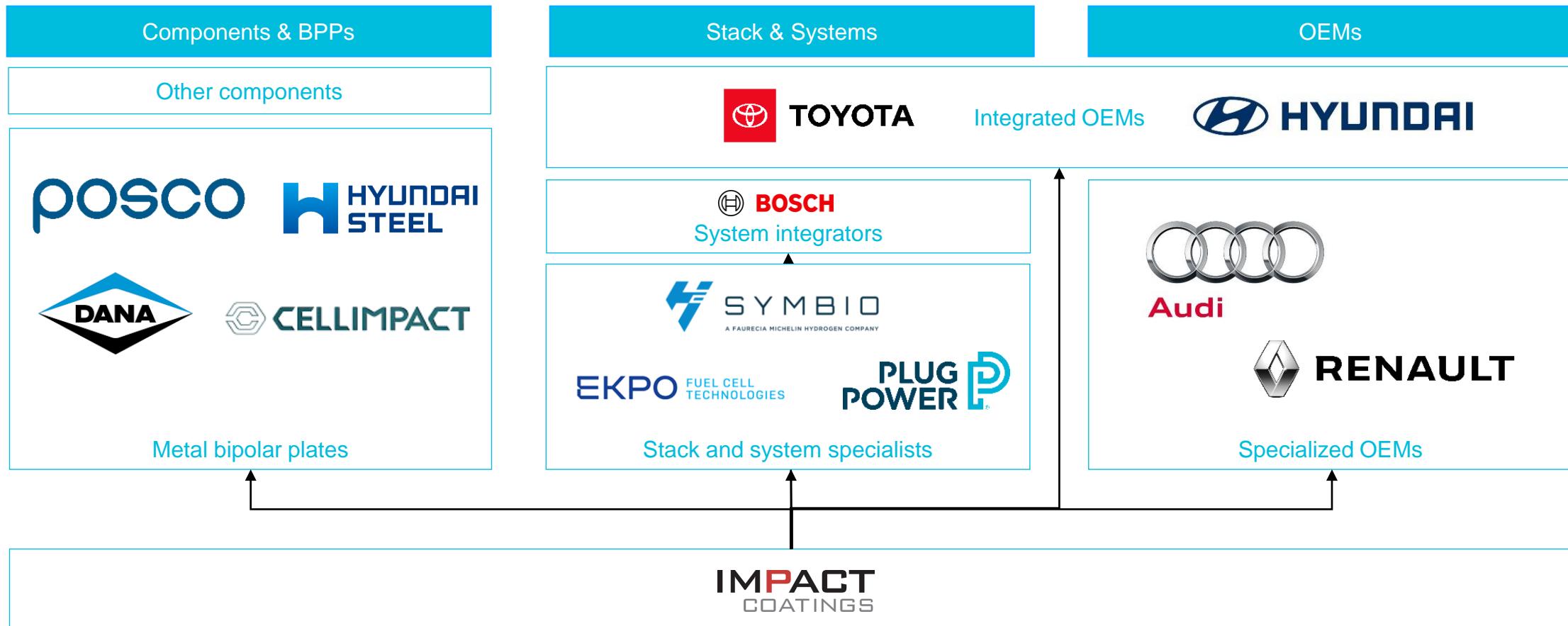
Bipolar plates (BPPs) – key components for durable and efficient Fuel Cells



Metal bipolar plates require a **high-performance coating** for good electrical properties and high corrosion protection

Hydrogen automotive landscape

We have 3 primary segments of customers



Key requirements for metal bipolar plate (BPP) coatings



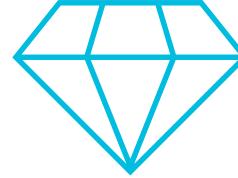
Weight/Size

Metal BPPs are **lightweight** and **fit well** with the overall stack design



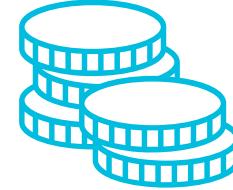
Contact resistance

BPPs must have **low contact resistance** to maximize conductivity



Durability

BPPs need to operate **>10,000 hours** in **corrosive conditions**

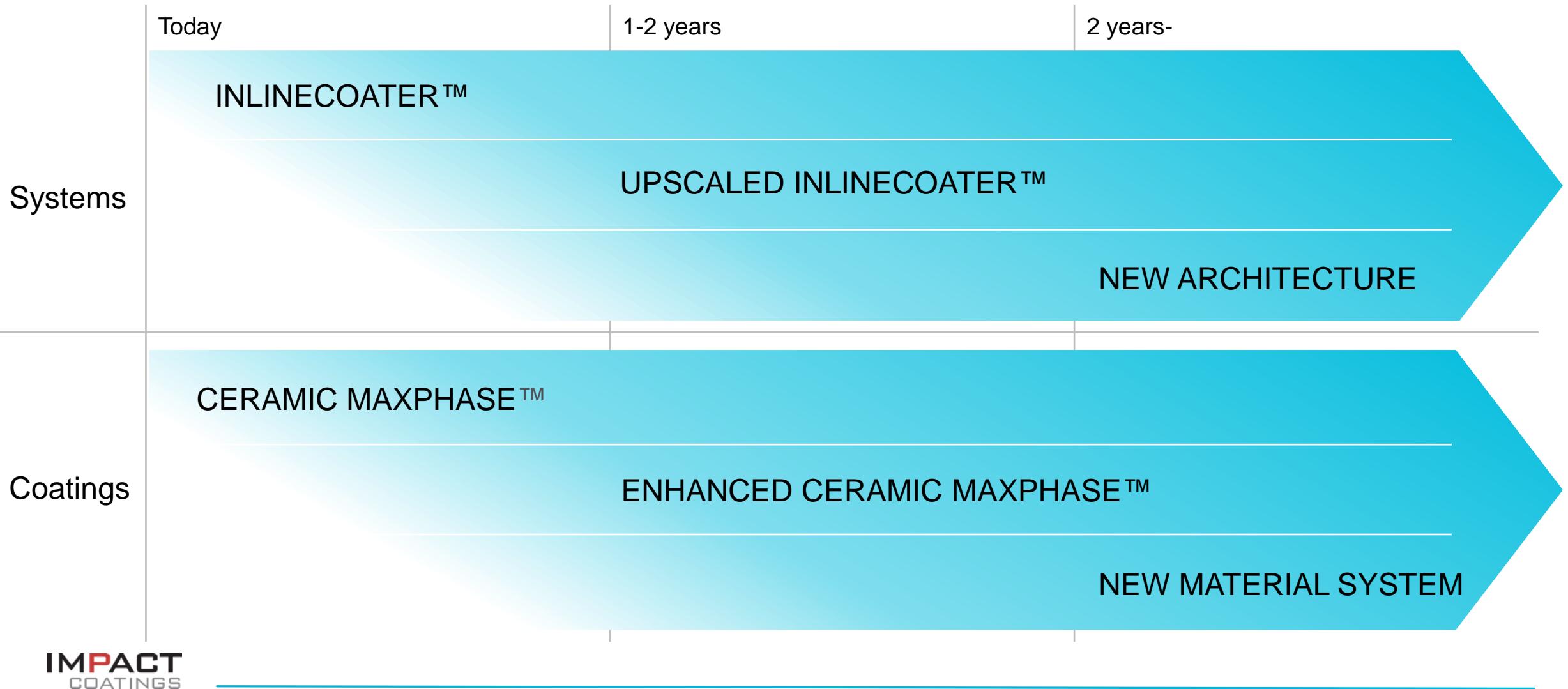


Cost

Low-cost coating, **cost-efficient production.**

Roadmap is a differentiator in the hydrogen industry

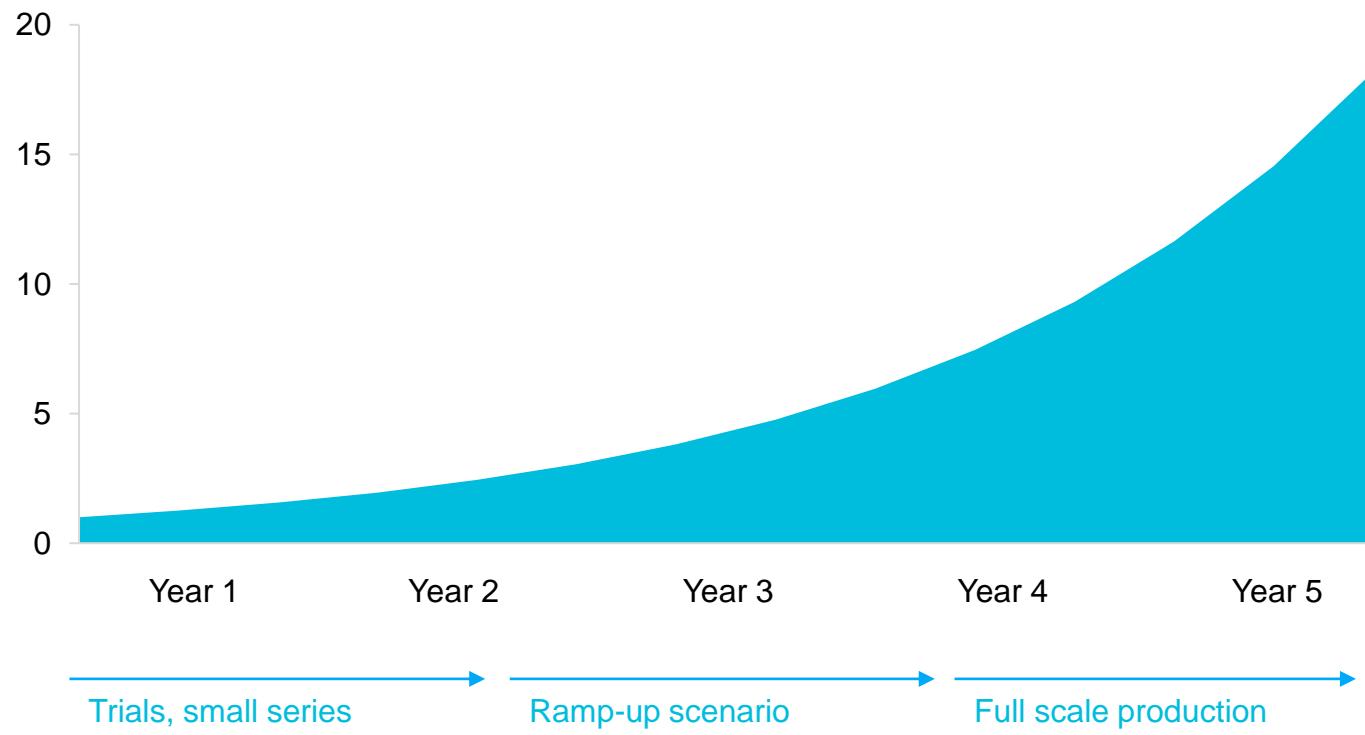
High level illustration of Impact Coatings' Fuel cells development roadmap



We allow full flexibility for our customers

Our equipment portfolio allows an efficient scale-up of production

Bipolar plates coated per year (Million BPPs per year, Illustrative)



We offer 3 delivery models

Description	Location	Operator
Coating services Flexible coating services performed in our facilities		
"CaaS" Coatings as a service at the customer's location with Impact's team and equipment		
In-house coating Coating performed in-house by the customer or a 3rd party		

Radomes & Antennas

Radomes

- Radar transparent emblems/covers for vehicle radar
- Multiple system orders 2020-2021 from European and Chinese automotive component suppliers

Plastic antennas

- Automotive, IoT
- Strong interest among component suppliers to offer plastic antenna solutions, which require high-quality metallization



Landscape Radomes & Antennas

Production partners (T2-3)

VARIOPLAST®



Waveguide antenna technology

GAPWAVES

Radar system suppliers

BOSCH

Visteon®

Faurecia
inspiring mobility

Continental



OEMs



TOYOTA



HYUNDAI



Solution roadmap Radomes & Antennas

High level illustration of Impact Coatings' Radomes & Antennas coating solution roadmap



We are executing on our strategy

Our strategic priorities



Focus on the **fuel cells business** and **Hyundai partnership**



Working with automotive safety and autonomous driving trends



Grow global sales organization



Develop **next generation machines**



Increase **production capacity**



M&A activities

Progress

- Added **engineers to Fuel Cells development in Linköping**
- Increased staff at **South Korea office** focused on co-development with Hyundai
- Set new roadmaps for **FC coatings and machines** with allocated resources
- A number of contracts won last 12 months
- Promising dialogues with key customers
- Established **presence in North America & China**
- Developing new machine architecture – presented earlier
- Added capacity in Linköping coating center
- Preparing full scale automation to Linköping production
- Planning **coating service center in China**
- Monitoring the market



Summary of Impact Coatings



We make a difference

Our coating technologies and our people support the transition to a safe and sustainable society



Hydrogen Solutions

We see significant growth potential linked to hydrogen applications and the transformation to a fossil-free society



Additional opportunities

We see specialized needs for metallization of radomes and antennas, and high-volume potential for automotive safety applications

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Thank You!

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