

NEL ASA

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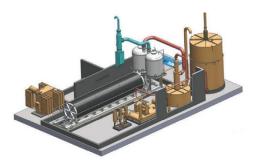


A PURE-PLAY HYDROGEN COMPANY





Nel Hydrogen Electrolyser



HYDROGEN PRODUCTION TECHNOLOGY



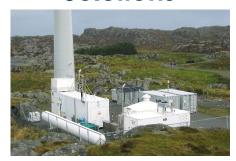
Nel Hydrogen Fueling



HYDROGEN REFUELLING TECHNOLOGY



Nel Hydrogen Solutions



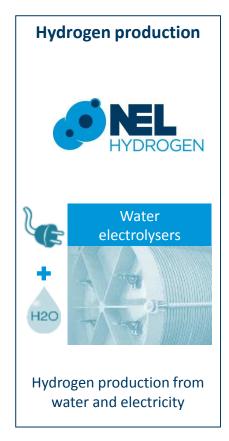
SYSTEM INTEGRATION
PROJECT DEVELOPMENT
FINANCING & OWNERSHIP

HYDROGEN VALUE CHAIN



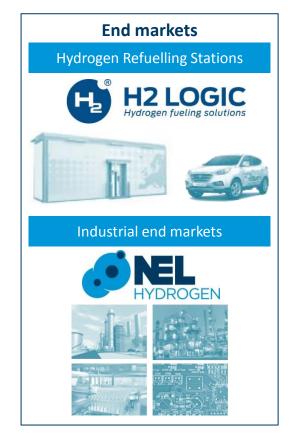
Addressing all end markets for hydrogen

Electricity production Renewable energy









Upstream

Downstream

TWO MAIN DRIVERS



1. RENEWABLE ELECTRICITY IS BECOMING COMPETITIVE

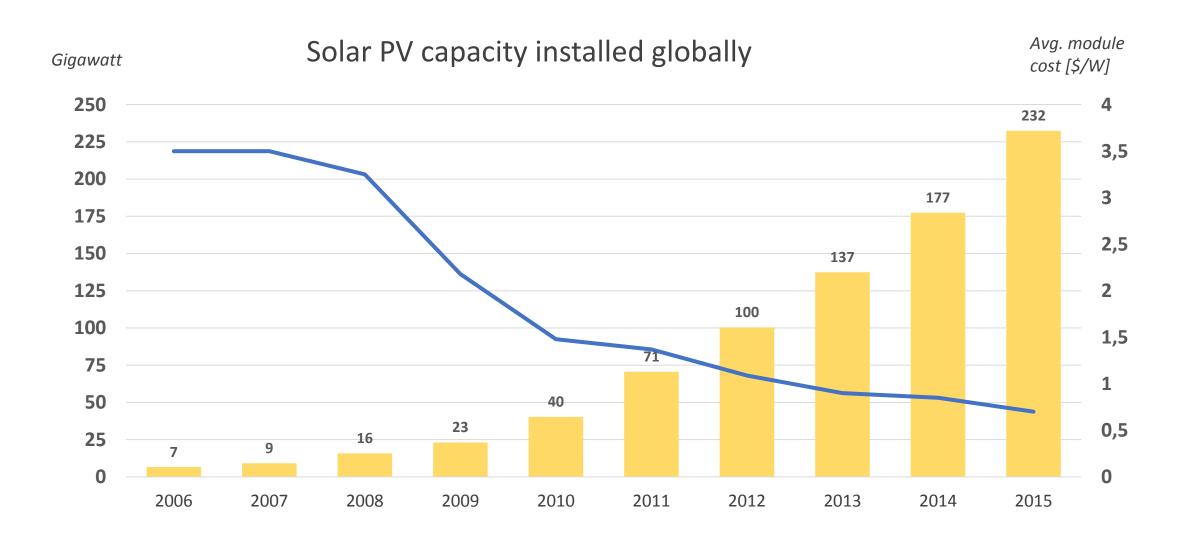
- Needs storage solutions to realize the full potential
- The key is not the cost of energy, but the cost of storage

2. HYDROGEN CARS BECOMING AVAILABLE AND AFFORDABLE

- Focus on zero emission transport
- Major car companies launching ambitious programs



RENEWABLE ELECTRICITY BECOMING COMPETITIVE ...



HYDROGEN CARS BECOMING AVAILABLE & AFFORDABLE 🝜 NEL

- Hyundai, Toyota, Honda, BMW, Daimler, GM, Nissan, Ford, Audi, and Volkswagen have all launched, or announced launch, of FCEVs
- Formidable cost reductions enable introduction: "The Toyota Mirai's powertrain is 95% cheaper to build than the fuel-cell system in the 2008 Highlander fuel cell SUV"

























2015

2016

2017

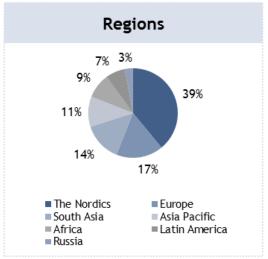
2018 - 2020

NEL HYDROGEN PRODUCTION (UPSTREAM)

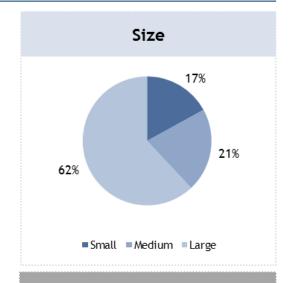
ABOUT THE PRODUCTS

- Global leader within large scale hydrogen electrolyser plants
 - Highest uptime, lowest conversion cost, robust and reliable
- New technologies:
 - 1. Pressurized electrolyser, containerized solution, pre-assembled before delivery reduced time for installation and commissioning
 - 2. Compact game-changing technology Rotolyzer

CUSTOMERS









NEL HYDROGEN FUELING (DOWNSTREAM)

H2 Logic

- World leading supplier of hydrogen fuelling stations
- More than 29 stations delivered in 8 countries across Europe
- More than 14.700 refuellings (33 tons of hydrogen)
- Strategic collaboration with Mitsubishi Kakoki Kaisha in Japan
- Currently developing market entry strategy for California

H2STATION® **CAR-200** FOR CARS

- One-module system with fast installation
- 3x capacity, 1/3 footprint of previous model
- Standardized and module based design
- Industrial production
- Patented technology



H2STATION® FOR LARGE VEHICLES

- Easy and fast installation
- 35MPa fuelling for large and small fleets of industrial vehicles or buses
- Flexible hydrogen supply
- Patented fueling technology

NEL HYDROGEN SOLUTIONS

PRODUCT AND SERVICES

- System integration, project development and sales
- Operation, maintenance, ownership and financing solutions
- Particular focus on new markets like California, Japan
 - But also existing markets like Germany and Scandinavia

REFUELLING NETWORKS

- Develop entire refueling networks, incl. renewable hydrogen production
- Network monitoring services
- Service and maintenance



RENEWABLE HYDROGEN & STORAGE SOLUTIONS

- Energy storage solutions and "constant" renewable supply
- Production based hydro, wind or solar
- Large, medium or small scale



HYDROGEN INFRASTRUCTURE IN NORWAY TAKE 2





THE H2-20 PROJECT

Uno-X Hydrogen with target to build 20 hydrogen refuelling stations in Norway by 2020.

Uno-X Hydrogen - joint Venture between:

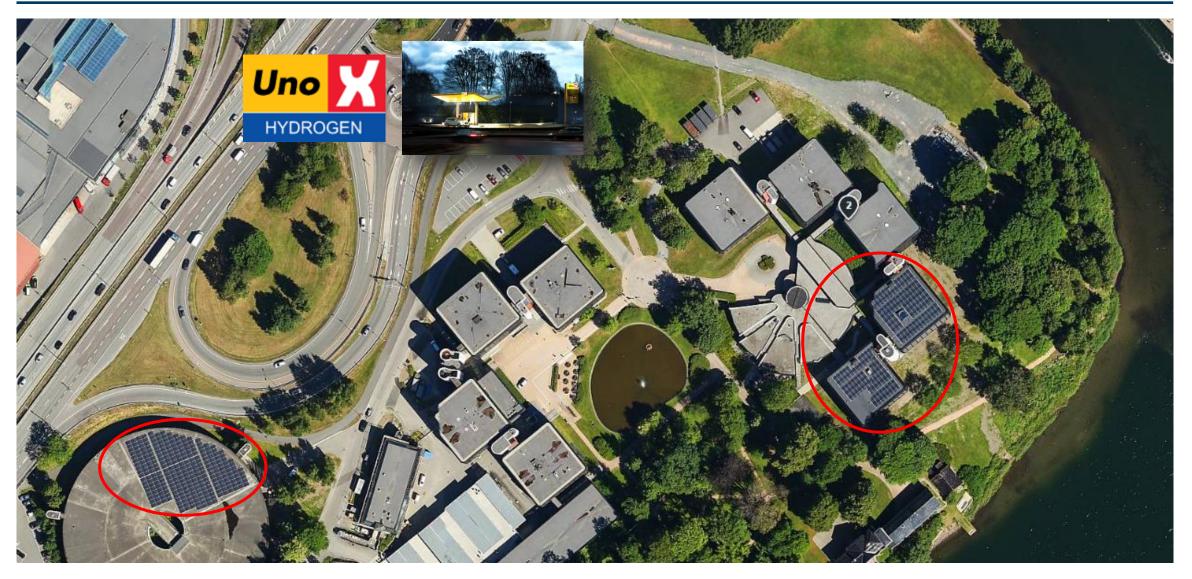
- Uno-X (41%)
- NEL (39%)
- Praxair (20%)

Currently in dialogue with Enova regarding the establishment of a public-private partnership to reach target.

1 OF 20: LIGHT HOUSE PROJECT, SOLAR-TO-H2

COLLABORATION WITH ASPLAN-VIAK & ENTRA, SUPPORTED BY ENOVA & AKERSHUS CC





OUTLOOK FOR 2016



- ✓ Launched next generation fueling station with standard modular design, ideal for industrial production, according to continuous improvement principles
- ✓ Build the organization, align activities, and capture the synergies across the NEL group
- Continue to capture market shares, both upstream and downstream, with increased focus on renewable hydrogen production and energy storage
- Execution of market penetration strategy for California, both upstream and downstream, work together with selected partners or directly in the market

