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## Nel | Company Presentation

Credit Suisse 2022 Energy Transition Conference 14-15 June

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### This is Nel

Nel is a global, dedicated hydrogen technology company that delivers optimal solutions to produce, store and distribute hydrogen from renewable energy

We serve a range of different customers with leading hydrogen technologies and we continuously improve our product offering to maintain a leadership position and remain in the forefront of the development THIS IS NEL

# Leading pure play hydrogen technology company with a global footprint



Pure play hydrogen technology company listed on Oslo Stock Exchange (NEL.OSE)



Manufacturing facilities in Norway, Denmark, and U.S., with a global sales network



World's largest electrolyser manufacturer, with >3,500 units delivered in 80+ countries since 1927



Leading manufacturer of hydrogen fueling stations, with ~120 H2Station<sup>™</sup> solutions delivered/in progress to 14 countries

#### THIS IS NEL

## The front runner within hydrogen technologies



Alkaline and PEM electrolysers

Converting water and electricity to hydrogen and oxygen – for **industry, mobility** and **energy purposes** 



Compact hydrogen fueling station

World's most compact fueling stations, capable of **fueling any kind of vehicle** and simple to integrate with other fuels





## Technology offering to enable the green transition



THIS IS NEL

## Strong field know-how and manufacturing capacity

#### **PEM electrolysers**

Wallingford, USA



Systems delivered: **2,700+** Production capacity: **>50 MW/year** History: **23 years** 

#### Alkaline electrolysers Notodden/Herøya, Norway



Systems delivered: **800+** Production capacity: **500 MW/year (~2 GW/year)** History: **90 years** 

#### Hydrogen fueling stations

Herning, Denmark



Stations delivered: ~120 Production capacity: 300 station modules/year History: 16 years

## Q1 2022 Highlights

### Financial results and financing

Revenues NOK 213 million Up 36% from NOK 157 million in Q1 2021

EBITDA NOK -152 million Decrease from Q1 2021

Order backlog NOK 1 289 million Up 19% vs. Q1 2021

Order intake NOK 283 million Up 7% vs. Q1 2021

Cash balance NOK 3 940 million

Support Nel's leading position and accelerated investments in technology and organization

### Key developments

- Received purchase orders for:
  - Multiple PEM electrolysers from a leader in sustainable food production. Value approx. USD 5 million
  - Containerized electrolyser and hydrogen fueling equipment in the US. Value approx. USD 5 million
  - An alkaline electrolyser system for Solar Foods in Finland. Value approx. EUR 2 million
  - An alkaline electrolyser in Europe that will be used for multiple clients. Value approx. EUR 3 million
  - Several H2Station™ modules in Paris, France, fuelling the worlds largest fleet of hydrogen taxis
- Successful private placement completed, raising NOK 1.5 billion of new equity
- Håkon Volldal appointed as the company's new Chief Executive Officer

### Subsequent events

- Received purchase orders for:
  - One H2Station™ hydrogen fueling module from HTEC in Canada. Value approx. USD 1.5 million
  - Hydrogen fueling equipment from Biproraf in Poland
  - Two H2Station™ fueling systems from a European client. Value approx. EUR 3 million
- Official opening of the 500 MW Herøya facility
- Decided to secure long-lead items for a new 500 MW alkaline production line

#### Q1 2022

# Successful private placement completed, raising NOK 1.5 billion of new equity



- On March 23 2022 the company completed a private placement, raising gross proceeds of NOK 1.5 billion at NOK 15.3 per share, the largest in Nel's history
- The book was 4.5x covered
- Use of proceeds is continued investments in production capacity, organizational growth linked to order intake and tender activity, and general corporate purposes

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Q1 2022

## Order backlog continued to build in Q1 2022



- Order backlog continues to grow
- NOK 283 million added in Q1 2022
- Up 5% from Q4 2021 Up 19% from Q1 2021
- Order intake is expected to vary between quarters as order sizes increases
- The pipeline continues to grow across all segments and industries

## Top 5 FEED study involvements currently ongoing

Project	Location	MW
FEED 1	Europe	800
FEED 2	Europe	750
FEED 3	Europe	700
FEED 4	Asia	500
FEED 5	Americas	200
Etc.		

- Announced involvement in the FEED study for EverWind Fuels' Point Tupper project
- Nel is involved in several FEED/pre-studies, giving a head start to compete for potential firm contracts
- Still substantial commercial risk up until potential FID is taken

Key trends currently and towards 2025





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We have ~90 own employees continuously developing pipeline from leads to contract and execution

In addition, >50 people from various EPC partners



## World class project team working with leading EPC partners



### Project funding & Financing

Customer use budget quote for a funding application Process can stall for an unknown timeframe depending on selected funding process

E.g. ETS Innovation Fund 1st Large Scale call: Process duration from issuing of call to communication of results ~17 months

#### **EXECUTION STRATEGY**

# Leveraging on our independent partnership model



- Successfully developing the partnership model
- Flexibility and independence increasingly important:
  - Projects ranging from 2-20-200-800 MW plants and beyond
  - Broader specter of customers
  - Broader geographical scope
- Partnerships with the leading companies within their fields
- Continue to add regional/tech partners where/when relevant

## Positioned for capacity expansion

- Decided to secure long-lead items for a new 500 MW alkaline production line
- Site selection initiated in Europe and US
  - Europe: At Herøya or a new site outside Norway
  - US: Search for new sites for both technologies
- Active search for strategic partnerships in Asia
- Future expansions will build on experience from successful launch at Herøya

Well positioned to move fast on both alkaline and PEM



# Automation: a key component for cost reductions

On track to reach the ambition to produce green hydrogen for \$1.5/kg by 2025, target to reduce CapEx cost by ~75%

Around half of this reduction relates to scale-up and cost-down through automation at sites like Herøya

✓ Higher volume

✓ More efficient designs

✓ Less usage of materials

✓ <u>No use of rare-earth/exotic materials</u>



#### HERØYA – A GAMECHANGER

# Automated stacking process provides further cost reductions



- Planning to add an automated stacking station at Herøya
- Reduce installation time and cost as stacking can be done in the factory
- Faster and safer assembly process of the stacks
- Easier transportation and installation on site

#### **EXECUTION STRATEGY**

# Building blocks that enable scalable solutions to meet customers' need for larger facilities

- Completed design for 800MW green renewable hydrogen production plant
  - Based on 200MW building blocks
- Have "consolidated" Balance of Plant elements to optimize overall CAPEX, realizing synergies to reduce cost
- Nel only company w/large-scale track record
  - Bankable, proven technology with performance guarantees

## 800MW

## Safe, cost-efficient and hassle-free installation



- Develop a skid that is easy to transport
  - Easy to unload
  - Easy to assemble
- Ensures scalability from 20 to 800 MW plants and beyond
- Have "consolidated" Balance of Plant elements to optimize overall CAPEX, realizing synergies to reduce cost
- Nel only company w/largescale track record
- Bankable, proven technology with performance guarantees

#### **EXECUTION STRATEGY**

# Major step-changes to come on Alkaline & technology platforms



- Major step-changes to come on Alkaline as well as other technology platforms
- Step-change translate into doubling of output for 800MW plant customers
  - From 800MW to 1,600MW with same overall design/footprint
- Will continue to see improvements across all platforms

#### **EXECUTION STRATEGY**

# Further product development – improving efficiency and capacity of cell stack

Targeting CAPEX and OPEX reductions beyond original roadmap in current manufacturing line





# 1.5 \$/kg

### Nel green hydrogen cost target by 2025

Assumptions: Nel analysis based on electricity of 20 \$/MWh, >8% cost of capital, cost of land, civil works, installation, commissioning, building water etc., lifetime 20 years incl. O&M cost, at 30 bar



#### **EXECUTION STRATEGY**

# High volume production and product standardization reducing system cost to enable \$1.5/kg



- Scaling up and automation will drive down cost
- Reducing overall material usage
- Driving energy savings
- Reducing dependence on exotic materials such as iridium and platinum







### POLITICAL EVENTS

## Committed to support RePowerEU

Target to make Europe independent from Russian energy a.s.a.p. and accelerate the green transition

Nel will support this initiative and ramp-up production capacity when demanded by the market

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#### SUMMARY AND OUTLOOK

## Nel a global leader within hydrogen technologies

### Proven track record and established market leader

- Pure play, independent hydrogen technology company
- Decades of experience in PEM and alkaline electrolyser platforms
- Technology leadership, large-scale concepts ready to go

### Scalability & cost leadership

- First to announce ambition on green hydrogen cost at USD 1.5/kg by 2025, reaching fossil parity
- Initiated site selection in US and Europe, and will continue to add capacity when required by the market
- Strong pipeline, and expect to break order-size records in 2022

### Strong partnership strategy

- Global delivery and execution muscle for large-scale, complex projects
- Partnerships for development of complete applications for end-users
- Preferred partner across the green hydrogen value chain

number one by nature