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# A Significant Oil & Gas Producer in the EU...



Diversified, Balanced portfolio with a 36.8% WI in the TotalEnergies Operated DUC

# **Key Highlights**

# 36.8% WI in the Danish Underground Consortium ("DUC")

- 15 fields, four export pipelines and significant infrastructure
- Production history of c. 50 years
- Substantial Reserves and Resources Base
  - Net 2P Reserves: 200 mmboe<sup>(1)</sup>
  - Additional Resource Potential: ~245 mmboe<sup>(2)</sup>
- Meaningful and Growing Net Production
  - 2022: 26.7mboe/d (c. 23% gas)
  - Winter 23/24 onwards: c. 50mboe/d (c. 45% gas)
    - Tyra II redevelopment onstream
- Attractive Future Growth Potential
  - Further reservoir and well optimisation activities
  - Short-cycle infill opportunities identified
  - Gas-weighted developments being progressed
  - Evaluation of potential for CCS in Denmark

# TYRA TotalEnergies 43.2%, op. NORECO 36.8%

Portfolio of Four Hubs in the Danish North Sea



<sup>1)</sup> Based on Noreco's Annual Statement for Reserves 2021, published in April 2022; RISC (UK) Ltd. Reserves Evaluation for the DUC at 31 December 2021

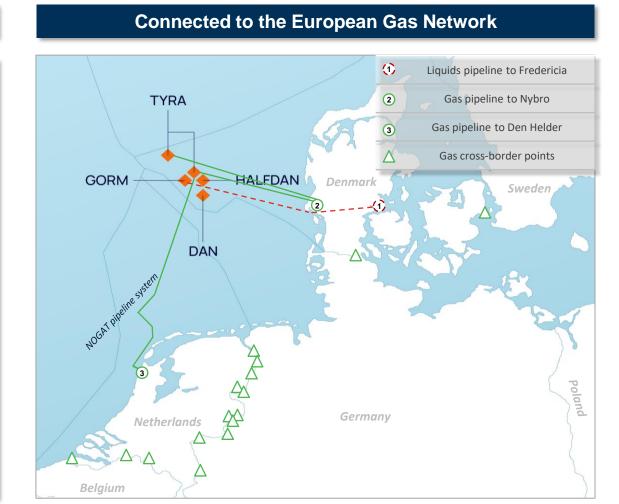
# ... With A Strategically Important Asset Base



DUC a key contributor to EU Energy Security with direct export routes to Continental Europe

# **Key Observations**

- Recent structural change in the EU energy supply markets, particularly for gas
  - Necessary to balance replacement of Russian against other shifts in long-term energy mix
- Renewed and invigorated focus on Energy Security, for both Denmark and the EU
  - Energy Transition, particularly in the near-term, requires gas to be a part of the energy mix
- Supportive backdrop to deliver incremental gas production in short, medium and long-term
- Noreco has significant reserves, resources and production offshore Continental Europe
  - The Danish Underground Consortium directly connected to the European gas network



5

# **Significant Progress Made During 2022**



Noreco is delivering and remains well positioned to continue doing so

We Are Delivering
Operationally

Maximise Production: 26.7mboe/d in 2022 vs. 26.9mboe/d in 2021

Significant FCF Generation: \$246mm in 2022<sup>(1)</sup> vs. (\$137mm) in 2021

Meaningful Liquidity: \$468mm at end of 2022, including cash of \$268mm

We Are Delivering
Tyra

Offshore infrastructure in place, focus on hook-up and commissioning
Completion will unlock material production and cashflow potential

Project progressing towards First Gas in Winter 2023/24

We Are Delivering
Our Potential

Continued Contribution to Energy Security and the Energy Transition

Monetise Remaining Economic Resources in the DUC

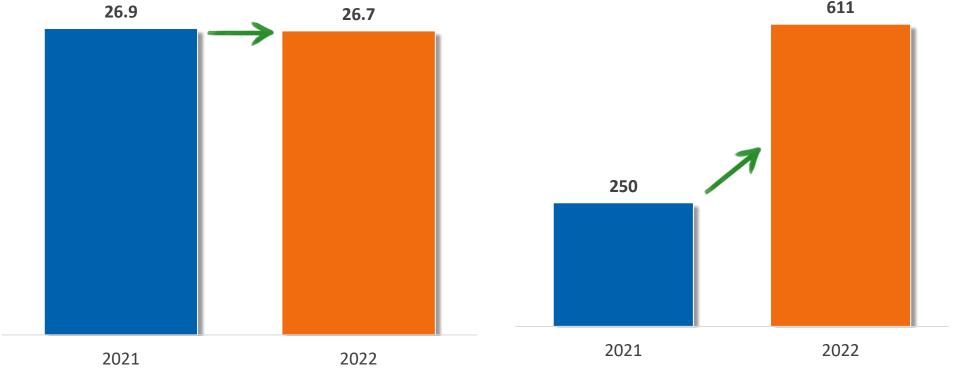
Disciplined Capital Allocation that prioritises shareholder returns

# **Delivering Operationally**



Today's strong performance creates significant value from existing operations

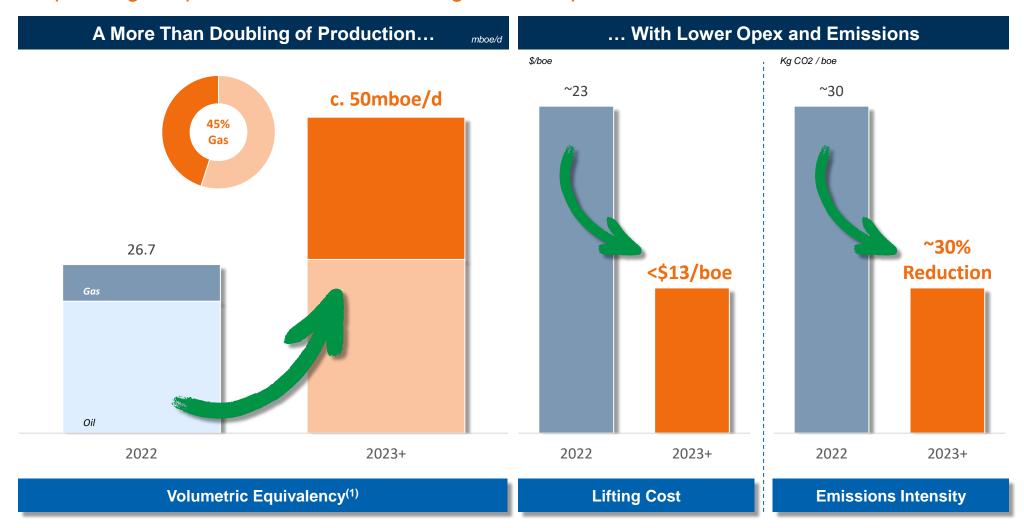




# **Delivering Tyra**



Step change in production and cashflow generation post Winter 2023/24 restart



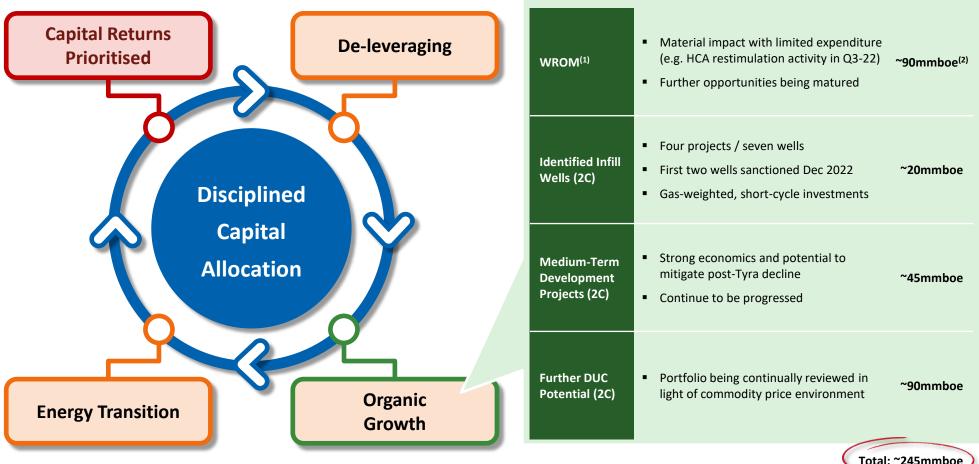
# **Delivering Our Potential**



Framework will prioritise capital returns and allow measured organic investment

**Robust Capital Allocation Framework...** 

# ... With Measured, Long-Term Organic Growth



Total: ~245mmboe

WROM = Well Reservoir Optimisation and Management

# We are Delivering Operationally

# **Excellent Operational Performance in 2022**

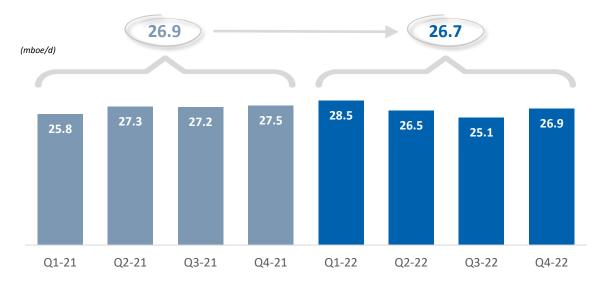


Actual Production in 2022 of 26.7mboe/d vs initial guidance of 23.5 to 25.5mboe/d

2022

# Excellent performance with successful optimisation activities and high operational efficiency

- Well activities and high uptime mitigated natural reservoir decline
- More than 60 interventions to restore inactive wells, access new reservoirs and stimulate production
- Operational efficiency of 90% driven by a focus on maintenance and robust operational procedures

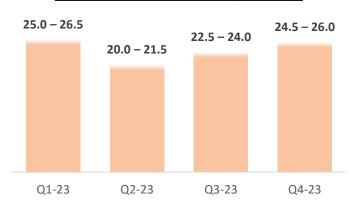


## 2023

# Strong underlying reservoir performance, with high activity levels planned

- Two infill wells to be drilled
  - Halfdan North East (FID in Q4/22)
- Continued restimulation / scale squeeze activities and well reinstatements
- Maintenance in Q2/Q3 2023 leads to forecast operational efficiency of c.86%

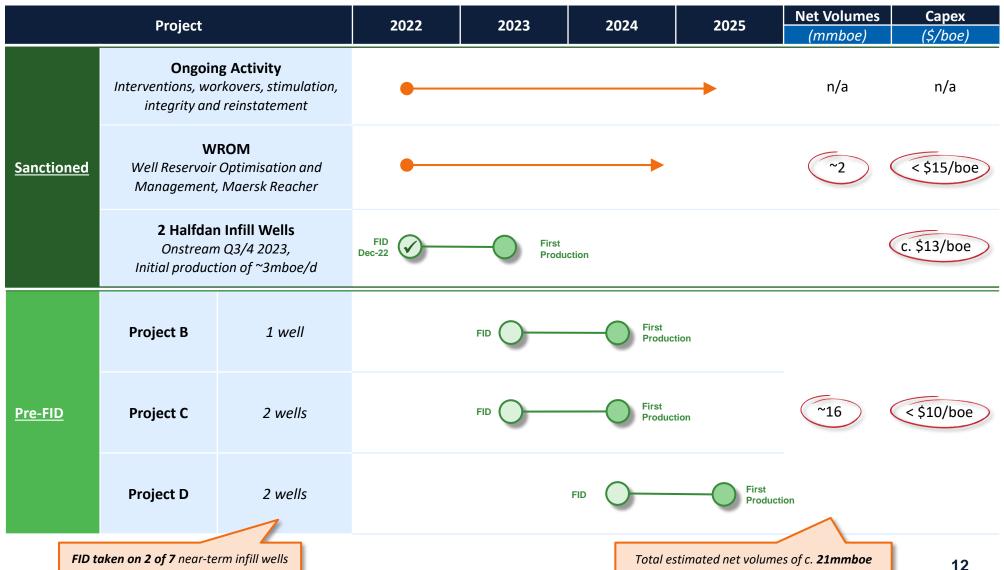
# 2023 Production Guidance (mboe/d):



# **Delivering Operationally** (Cont'd)



Seven infill well opportunities identified: FIDs in 2022/23, drilling rig secured until March 2025





# Delivering Tyra: a Game-Changing EU Gas Producer



Step-Change Project, Strongly Supporting Danish Energy Security

| Tyra: Strategically Important |  |   | Noreco's Production to Grow Significantly mboe/d |               |            |             |  |
|-------------------------------|--|---|--|---------------|------------|-------------|--|
| Reserves                      | Unlocks substantial gas-weighted volumes   | <b>+200</b> <i>mmboe</i> <sup>(1)</sup>   | 2023   |               | 2024+      | c. 50mboe/d |  |
| Production                    | Significant production from Winter 2023/24 | <b>+60</b> mboe/d <sup>(2)</sup>          | 24%<br>Gas                                       | $\rightarrow$ | 45%<br>Gas |             |  |
| Gas-<br>Weighting             | Materially increases gas-weighting         | <b>~45%</b> Gas <sup>(3)</sup>            |  |               |            |             |  |
| Emissions                     | Meaningful lowering of emissions intensity | <b>~30%</b> <i>Lower</i> <sup>(4)</sup>   |  | 26.7          |            |             |  |
| Operating<br>Efficiency       | Modern facilities drive better performance | 1   |  |               |            |             |  |
| Field Life                    | Extends operational lifetime potential     | <b>c. 20+</b> <i>Years</i> <sup>(5)</sup> |  |               |            |             |  |
| Resource<br>Potential         | Enables additional volumes and tie-ins     | +   |  | *             |            |             |  |
| Operating Cost                | Material reduction in net opex             | < \$13<br>/boe <sup>(6)</sup>             |  |               |            |             |  |
|                               |  |   |  | 2022          |            | 2023+       |  |

<sup>1)</sup> Gross DUC

Gross facilities capacity

<sup>3)</sup> Noreco commodity mix post Tyra

<sup>4)</sup> Compared to levels in 2021

<sup>5)</sup> Constrained by 2042 concession expiry

<sup>6)</sup> Direct field opex post-Tyra

# **Status Offshore Hook-Up and Commissioning**



# **TEH in full use since September-22**

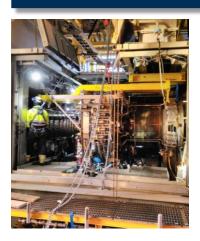


# **Tyra East Wellhead and Riser Platforms**



- Well instatement started 2. Feb-23
- First wellhead installed 5. Feb-23.
- Piping Installation of HU spools
- Risers Installation of riser spools
- Wellhead flowlines

# **TEG Module**



- Potential for improved offshore productivity but good progress on critical path activities
- Gas Turbine Generator bundle lifted onboard week 6
- Piping, prefabrication and installation of hook-up spools ongoing

# **Tyra West Wellhead and Riser Platforms**



- Decision made to use Tyra West Crane "Brain" on TEG main crane
- Tyra West HUC behind original plan but not on critical path for gas export
- Tyra West C crane expected operational late Feb / early Mar
- Structural and piping work ongoing

# Tyra Milestones Update



# Completed

- TEH Living Quarter in Regular Use
- Offshore Installation Complete
- TEG Safe Access and Temp. Power
- TEG Permanent Crane in Operation

# 2022

# **Upcoming** Pre-First Gas

- TW-WHRP Stand Alone Operations
- TEH Fire Water Connected to TEG
- TEG Sea Water Lift Pump
- First GTG<sup>(1)</sup> Running on Diesel
- TEG Leak Testing Complete
- Gas in from Dan
- First gas exported to Nybro

# **Upcoming** Post-First Gas

- Harald Onstream
- Tyra South East Onstream
- Gas Lift Operational
- Valdemar and Roar Onstream
- 2<sup>nd</sup> Gas Export Train in Operation



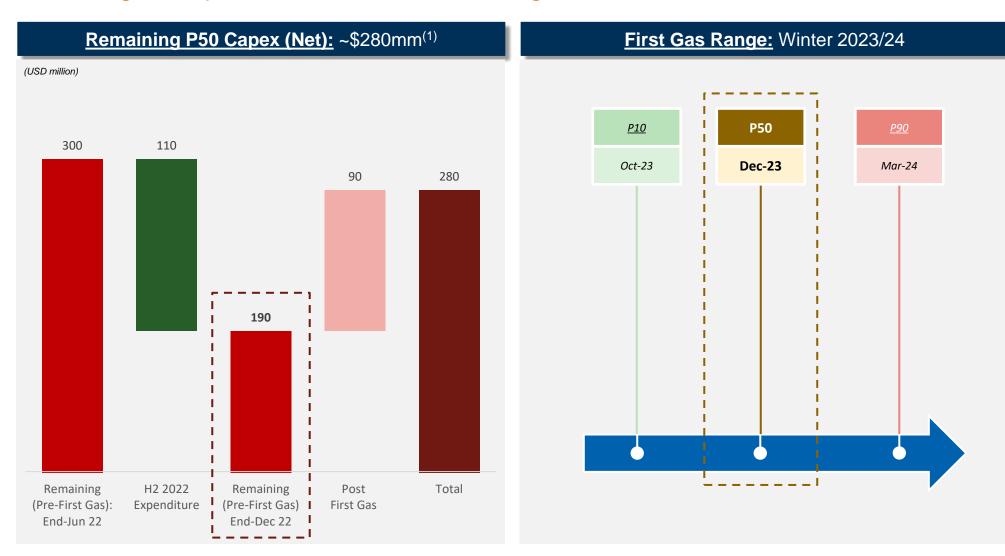


2023

# Tyra: Schedule and Cost to First Gas



Remaining net capex of ~\$190mm to reach first gas in Dec-23 on a P50 Basis



# We are Delivering Our Long-Term Potential



# **Delivering Our Potential**



# Disciplined Capital Allocation Will Define Actionable Opportunity Set

# Shareholder Returns Prioritised

Sustainable, long-term dividend profile supported by our balance sheet

# Capital Allocation

Disciplined

Organic

With Tyra onstream

Target through-cycle

Target through-cycle leverage: < 2.0x

Significant Deleveraging

(Net Debt / EBITDAX)

# **Energy Transition**

Meaningful contribution to the Energy Transition

Commitment to further reducing emissions intensity

# **Broad Opportunity Set**

Supporting Overall Objectives

- Value Creation,
- Cashflow Generation, and
- Energy Security

# **Portfolio Supports Long-Term Energy Security**



Low-Cost Volumes to Support a Sustainable, Long-Term Cashflow Profile

# Project Team established First oil expected in 2026 Net reserves of c. 11 – 16 mmboe Low unit capex Project Team established First oil expected in 2026 Net reserves of c. 11 – 16 mmboe Low unit capex Project Team established First oil expected in 2026 No water injection; depletion and compaction drive Connecting to Tyra East via Valdemar and Roar Limestone reservoir



- One year maturation pre-FID
- Focus on accelerating timing

- Seven wells, unmanned 4-leg jacket
- Potential tie-back to Tyra East (11km)



- Net reserves of c. 16 26 mmboe
- Low unit capex
- Development Plan submitted
- Two years from FID to first oil

- Nine wells produced via unmanned, 4-leg jacket
- Water injection and gas lift
- Processing at nearby existing hub
- Use of known and proven design and technology

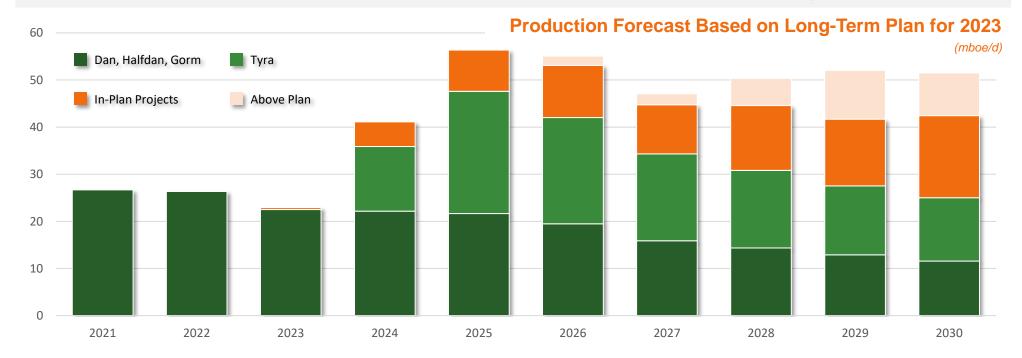
# **Potential to Maintain Plateau Production**



Decisions to invest further will need to support long-term cashflow generation potential

# **Long-Term Production Potential: Reflecting Organic Opportunity Set**

- Long-term potential exists to mitigate decline and maintain plateau production levels after Tyra on stream
- Subject to individual project FIDs, a Long Term Plan has been developed in the DUC partnership
- Future investment decisions will always be subject to our disciplined approach to capital allocation
- Projects must screen well from both a value perspective and be supportive of our long-term FCF profile



# **Our Sustainability Commitments**



# Balanced approach, with Energy Security and the Energy Transition as key themes

1.

# **Deliver Tyra**

Energy Security: reliable, affordable and politically stable gas

# Noreco has invested > \$1bn in delivering gas redevelopment project

- Expected to deliver 2.8 billion cubic meter of gas / year
- Key gas producer in the EU
- Unlocks additional low emissions, high value resources

2.

# **Reduce Emissions Intensity**

Emissions lowered with Tyra and end of routine flaring

### Emissions lowered by c. 30% once Tyra II onstream

- Mainly driven by Tyra II's modern, efficient facilities
- Routine DUC flaring eliminated by August 2023 and phase-out of chemicals
- Improved efficiency and monitoring on producing assets

3.

# **ESG-Linked RBL Facility**

Funding cost linked to delivery against ambitious objectives

# KPIs linked to emissions and power from renewable sources

- Emissions Intensity: 50% reduction by 2027
- Renewable Power: 80% of power from renewables by 2029

4.

# **CCS**

Assessing potential for CCS through Bifrost and CarbonCuts

### Strategic involvement through the DUC (Bifrost) and an exclusive CCS project

- Bifrost a larger scope outside of the DUC, with potential for farm-in on Harald
- CarbonCuts is a Noreco-only backed company with a fit-for-purpose size and scope

# **CCS Status**



# Optionality in early stage projects while regulatory frameworks remain uncertain

Operator TotalEnergies awarded two CO2 Storage license of which Bifrost is included

The awarded license with scope beyond originally defined for Project Bifrost

Status Project Bifrost beginning 2023 (Half way EUDP funding period in 2022 and 2023):

- First phase demonstrate that permanent storing of CO2 into Harald West depleted sandstone reservoir is feasible
- Chalk reservoirs also indicating storage potential
- Offshore storage unit and pipeline transportation concepts indicated to be both safe and suitable
- Initial findings from phase one supports the advantages of reusing existing offshore infrastructure

### Noreco announcing its support of CarbonCuts, an independent early-stage CCS company

- Noreco support through financial, technical and commercial support for early-stage feasibility study work
- Feasibility study assessing potential for project in Lolland, onshore Denmark
- Ambition to build a geological CO2 storage facility on Lolland that allows return of CO2 to the subsurface



# **CarbonCuts: Noreco Investment**

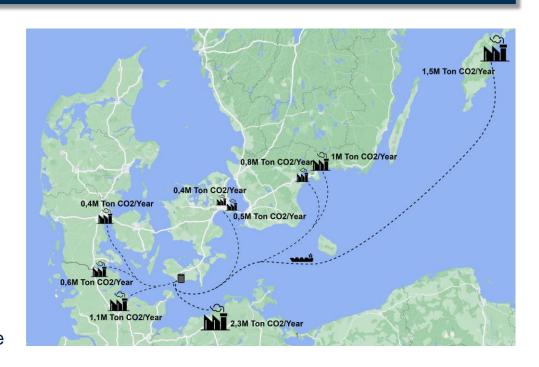




An early stage CCS initiative which offers a unique and fit-for-size opportunity in supporting Denmark's CCS ambitions

# At a Glance

- An early-stage feasibility study for onshore CO2 storage supported by Noreco
- Building a CO2 storage facility at the coastline of Rødby to accelerate the Green Transition on Lolland-Falster
- Storage location of both domestic and international strategic importance
- Longer-term potential for significant scale-up
- Strong local foundation with a European Perspective

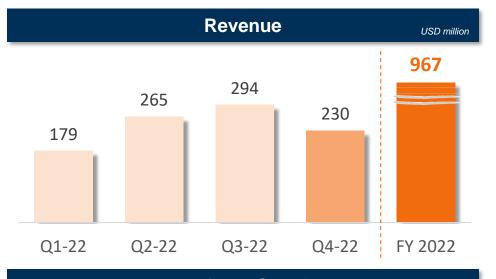


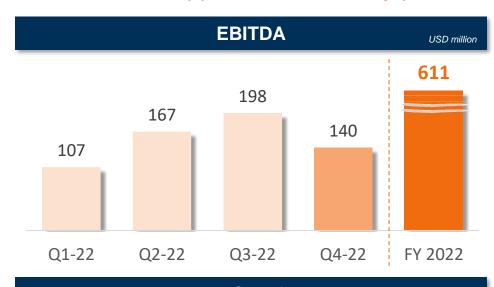


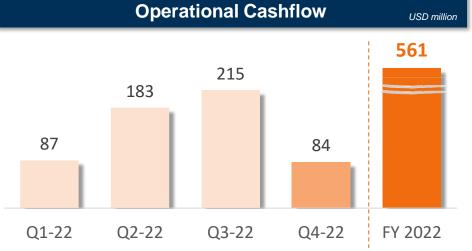
# **Strong Financial Performance in 2022**



Significant cash generation with strong asset performance and supportive commodity prices





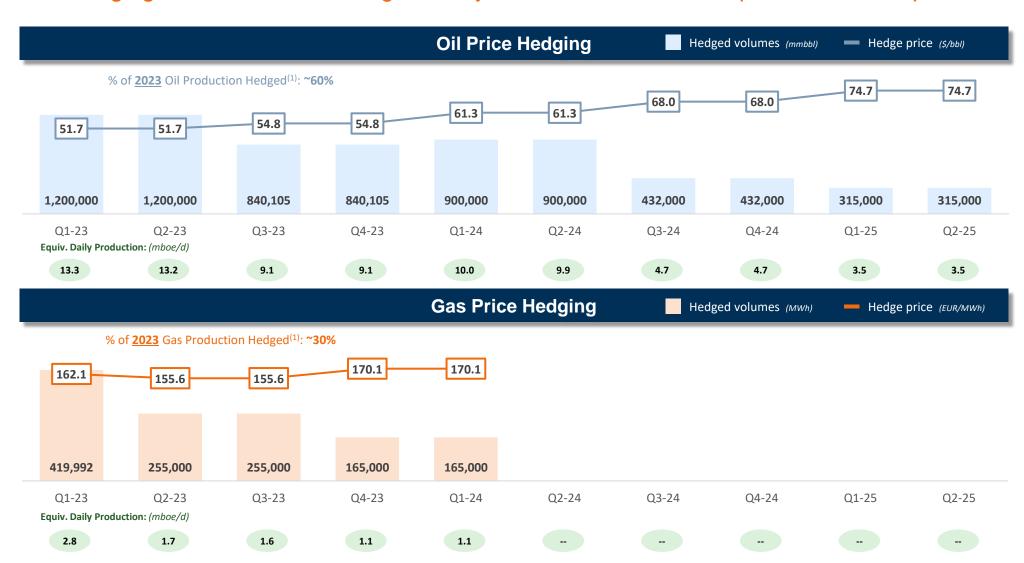




# **Commodity Price Hedges Provide Cashflow Visibility**



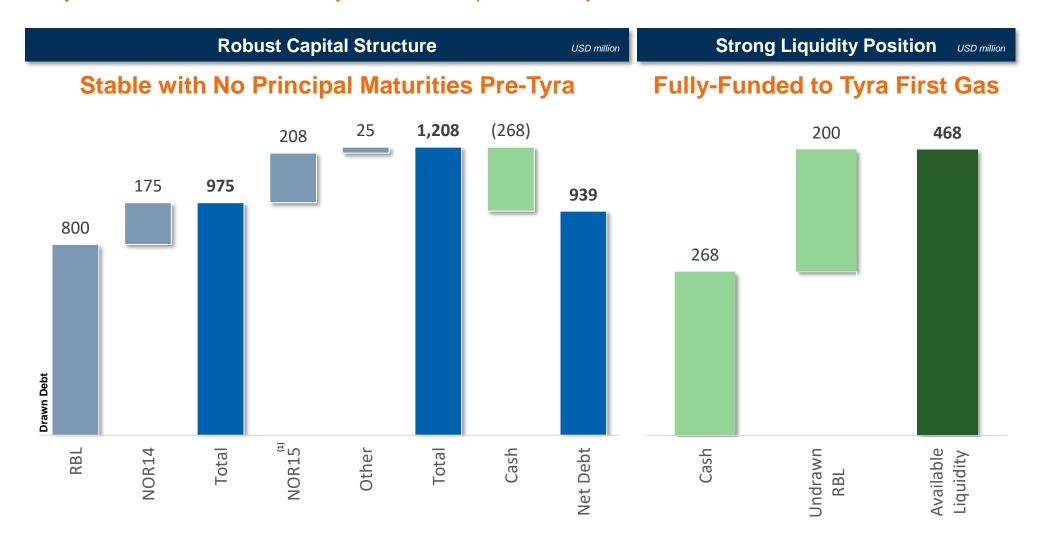
Gas hedging for 2023 and 2024 significantly above current market spot and forward prices



# **Strong Capital Structure & Liquidity Position**



Fully-Funded to Deliver the Tyra Redevelopment Project





# **Focused on Delivery**



# Maximising Value and Ensuring Energy Security: Today and Tomorrow

We Are Delivering
Operationally

Maximise Production from our operational hubs

Minimise Costs to support overall profitability

**Reduce Emissions** through targeted interventions

We Are Delivering

Tyra

Unlocks > 1 Tcfe(1) supporting long-term Danish and EU Energy Security

Material Production and Cashflow once onstream

Project progressing towards first gas in winter 23/24

We Are Delivering
Our Potential

**Continued Contribution to Energy Security and the Energy Transition** 

Monetise Remaining Economic Resources in the DUC

**Disciplined Capital Allocation** that prioritises shareholder returns





# Issue of NOR15 Convertible Bond



# NOR13 restructuring successfully completed

# **Overview of NOR15**

- NOR13 restructuring announced Nov-23
  - Executed through issue of NOR15
- 1 NOR15 of \$207.6mm issued in Dec-22, terms in line with those first announced
  - Mandatory Conversion: 31-Dec-25
  - Conversion Price: NOK 537/share<sup>(1)</sup>
  - Compensation Bonds: \$56.2mm issued to reflect new terms
- 2 NOR13 of \$13.8mm did not elect to convert to NOR15 in Dec-22
  - \$13.6mm converted to equity Jan-23
  - \$0.2mm remains outstanding, and converted to same terms as NOR15
- 3 NOR13/15 (both on same terms) of \$207.8mm outstanding post year-end:
  - NOR15 **\$207.6mm** | NOR13 **\$0.2mm**

