

# BalticSeaH2 Valley -

## Status and the lessons learnt so far

EU Hydrogen Valley Days, 24-25 June 2025

*Dr Jatta Jussila*  
CEO, CLIC Innovation Oy / Coordinator of BalticSeaH2

The project is supported by the Clean Hydrogen Partnership and its members.

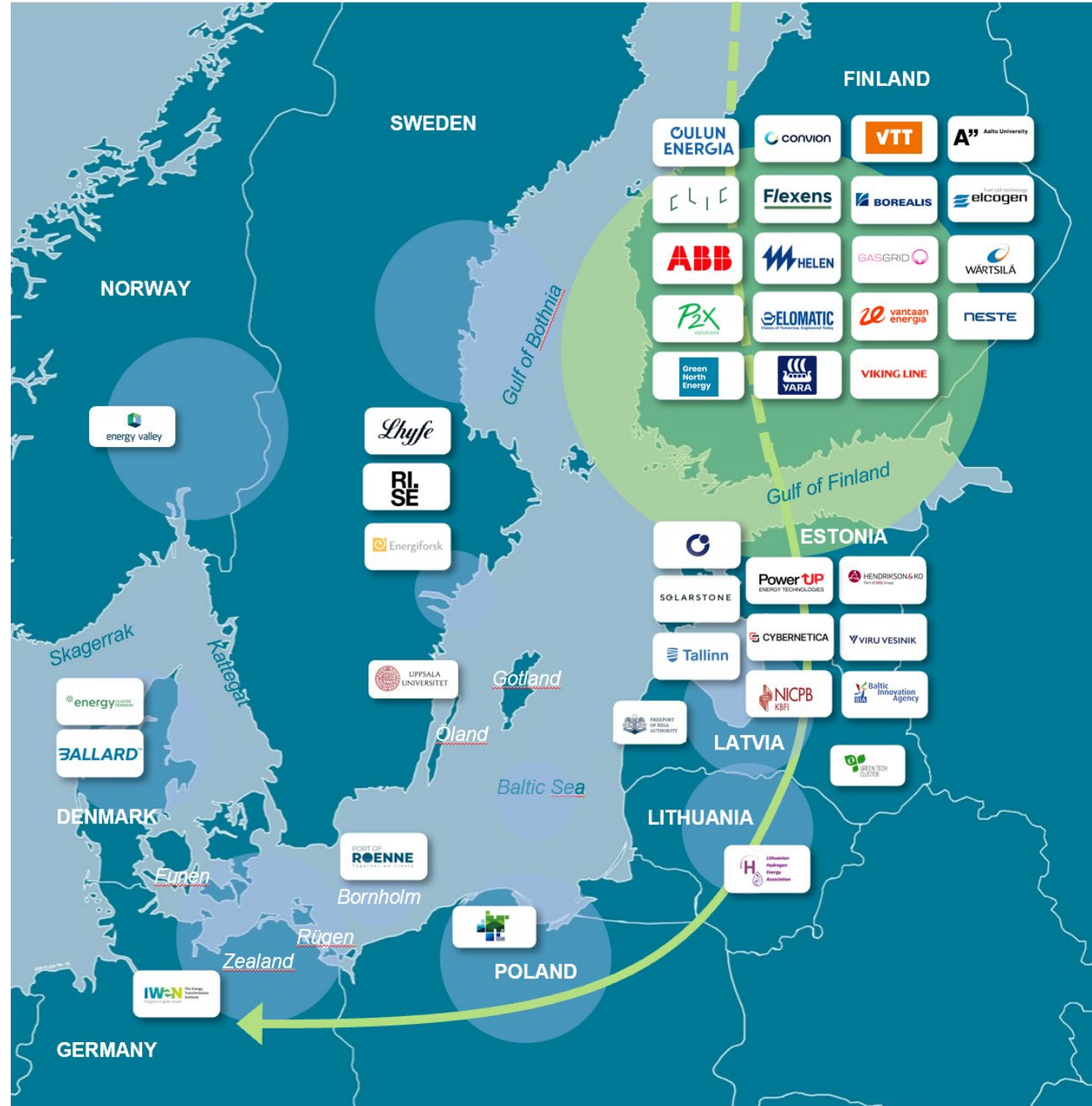


Co-funded by  
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## BalticSeaH2 – A pioneering initiative for a fully sector-coupled, interregional hydrogen economy

- Main Valley connecting Southern Finland and Estonia
- 7 Connected Valleys: Norway, Sweden, Denmark, Latvia, Lithuania, Poland and Northern Germany
- Total budget 33 M€, EU funding 25 M€
- Timeline: 2023-2028
- Co-coordinated by CLIC Innovation and Gasgrid Finland

**BalticSeaH2 develops a Baltic Sea –wide Hydrogen Economy across country borders, industries, and energy sectors**



## Co-creation for H2Pool:

How would you want the platform to support bilateral agreements?

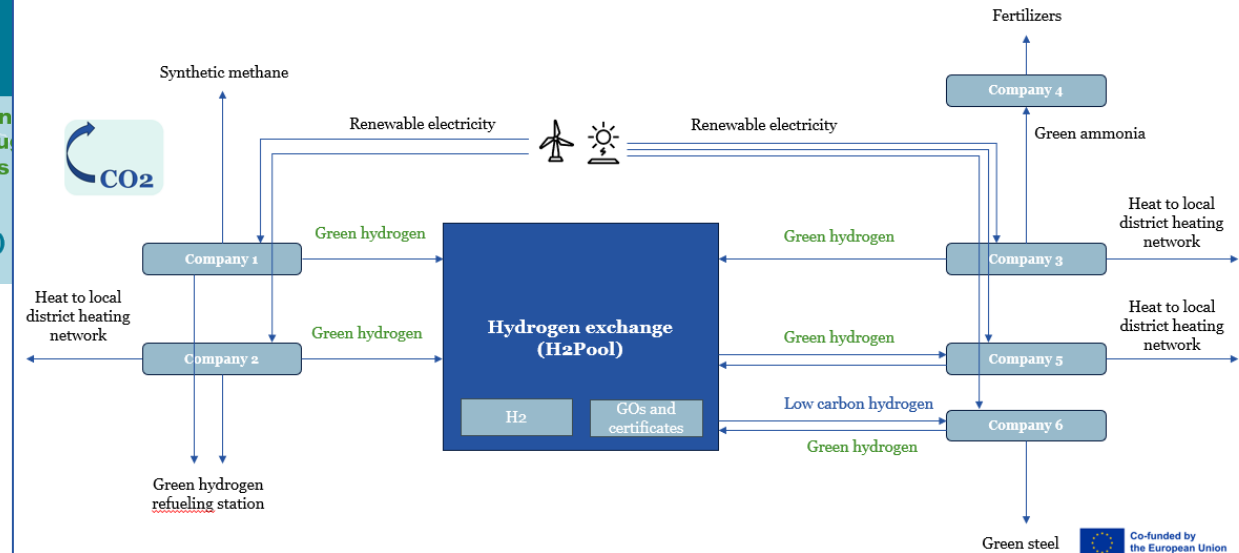
Should be included

Ability to auction (buy and sell) standard H2 products to develop long-term offtake of H2 - only works if products are liquid

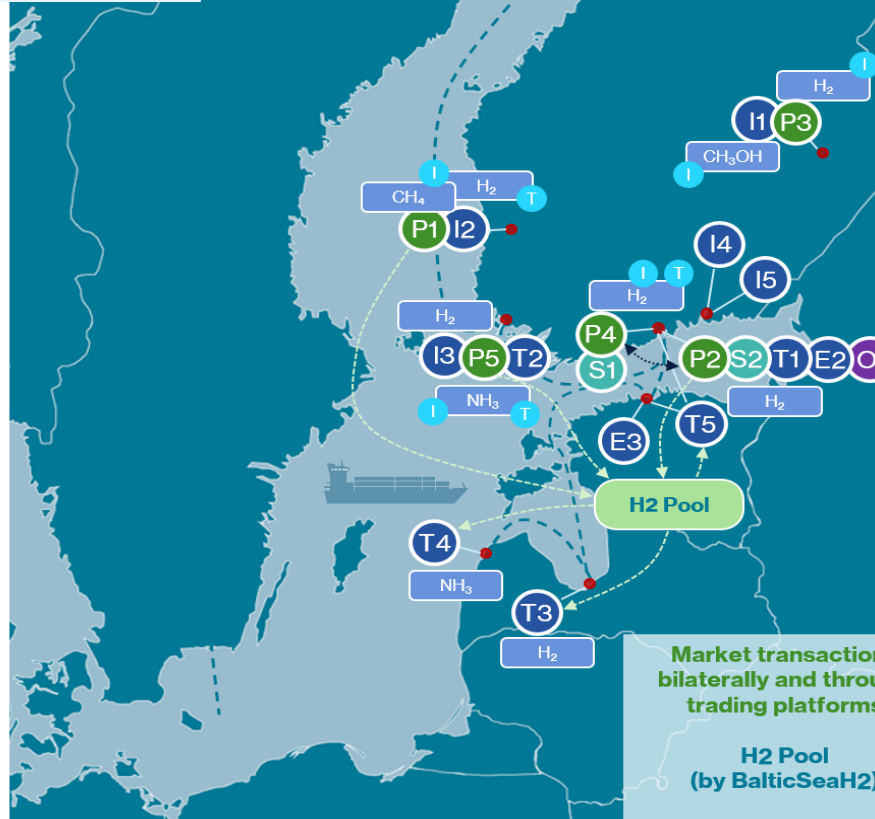
I think it would be good to include all trading in one platform: both spot market and bilateral agreements

Bilateral agreements should be accepted

## H2Pool underway



BalticSeaH2 is a complex hydrogen valley.



- P H2 Production
- S H2 Storage
- T End Use: Transport
- I End Use: Industry
- E End Use: Energy
- O Other

Use Cases not linked

Use Cases linked

- CH<sub>3</sub>OH
- CH<sub>4</sub>
- H<sub>2</sub>
- NH<sub>3</sub>

Products and derivatives

- T End Users outside the consortium
- I End Users outside the consortium
- E End Users outside the consortium

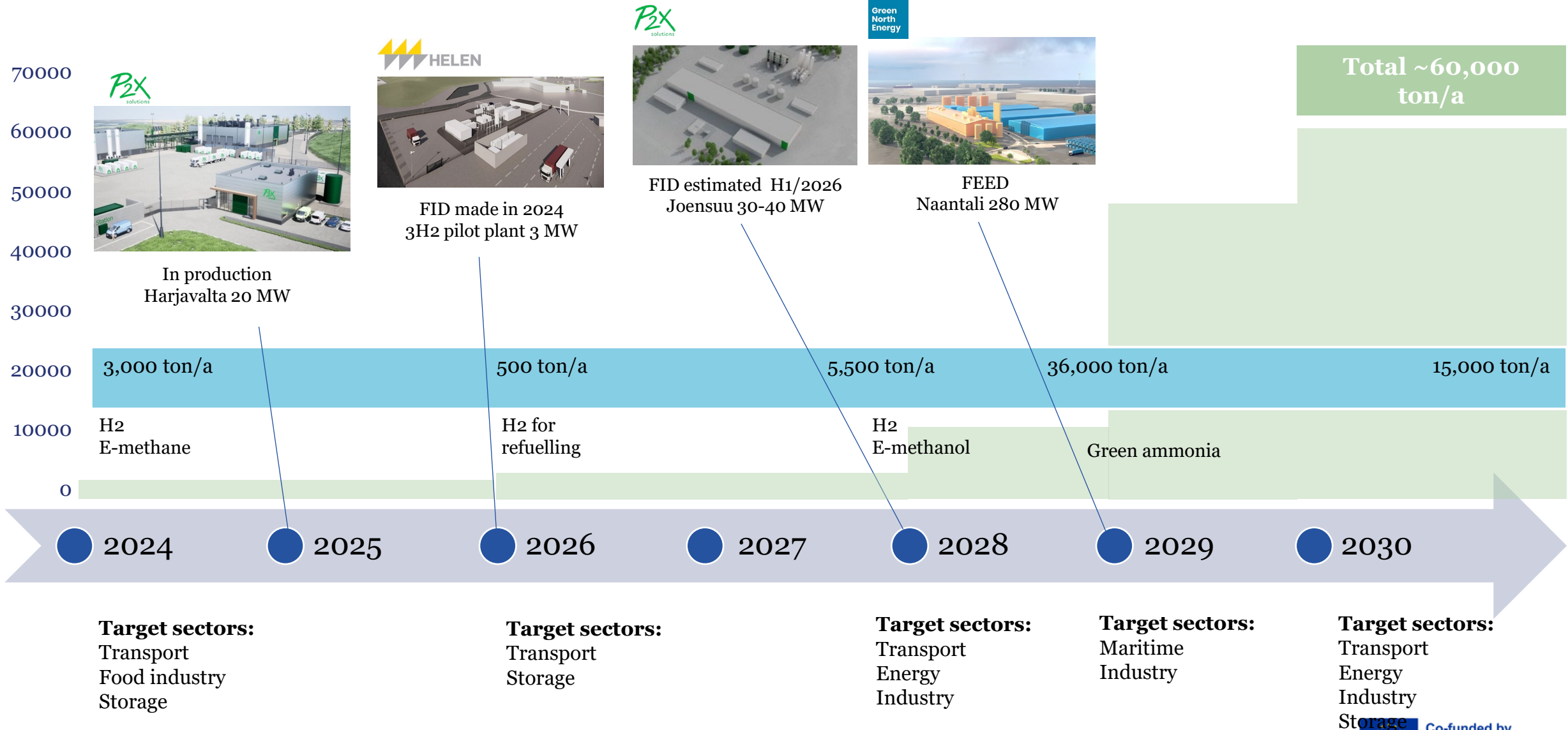
H2 trading

Market transaction bilaterally and through trading platforms

H2 Pool (by BalticSeaH2)

# BalticSeaH2 Valley implementation plan by 2030

Renewable hydrogen production targets



**Note:** The plants that are already under construction have received investment financing from the Innovation Fund, or IPCEI, RRF or other funding from the Finnish ministry or the Finnish Climate Fund.

# Market co-shaping to enable the hydrogen economy

| Challenge                                                             | Key Message                                                                                                                                                                                                                          | Proposed EU Action                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|-----------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1. Clean industry is key to security of supply and autonomy in Europe | <p>To replace fossil carbon in industrial value chains, <b>clean hydrogen must be paired with CO<sub>2</sub></b> — turning emissions into feedstock via CCU.</p> <p>Hydrogen and CCU together build <b>STRATEGIC RESILIENCE</b>.</p> | <ul style="list-style-type: none"><li>• Support cross-border <b>H<sub>2</sub> and CO<sub>2</sub> infrastructure</b></li><li>• <b>Integrate</b> both into NZIA and REPowerEU</li><li>• Fund regional <b>hydrogen–CCU clusters</b></li></ul>                                                                                                                                                                                                                                                                                                                  |
| 2. Clean innovators face cost pressure and export risks               | <p><b>UNLOCKING PROFITABILITY!</b></p> <p>Don't penalise first movers.</p> <p><b>Clean producers need support not just to produce cleanly but to compete cleanly globally.</b></p>                                                   | <ul style="list-style-type: none"><li>• <b>Demand pull:</b><ul style="list-style-type: none"><li>✓ Subsidies and mandates to end-users</li><li>✓ Smart market design in Europe (CfDs, CCfDs)</li><li>✓ RFNBO quotas</li><li>✓ Green content in procurement and tenders</li></ul></li><li>• <b>Export</b> competitiveness tools:<ul style="list-style-type: none"><li>✓ Export credits for clean products</li><li>✓ CBAM expansion or equivalent trade mechanisms</li><li>✓ Bilateral recognition of green value (green trade corridors)</li></ul></li></ul> |
| 3. Regulatory uncertainty slows scale-up of hydrogen & CCU            | <p><b>BREAKING REGULATORY BARRIERS!</b></p> <p>EU regulation must <b>strengthen</b> its clean industrial base.</p> <p>Hydrogen and CCU must be <b>integrated</b> in EU climate, energy and industrial frameworks.</p>                | <ul style="list-style-type: none"><li>• <b>Fast-track</b> regulation and permitting</li><li>• <b>Simplify</b> RFNBO rules, including additionality and temporal matching</li><li>• Ensure regulatory <b>certainty</b> in RED III, ETS, and taxonomy</li><li>• Establish <b>lifecycle</b> carbon accounting for CO<sub>2</sub> use</li><li>• <b>Integrate</b> CCU in hydrogen valley frameworks and funding calls</li></ul>                                                                                                                                  |



# Follow us!



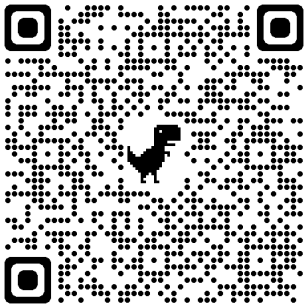
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