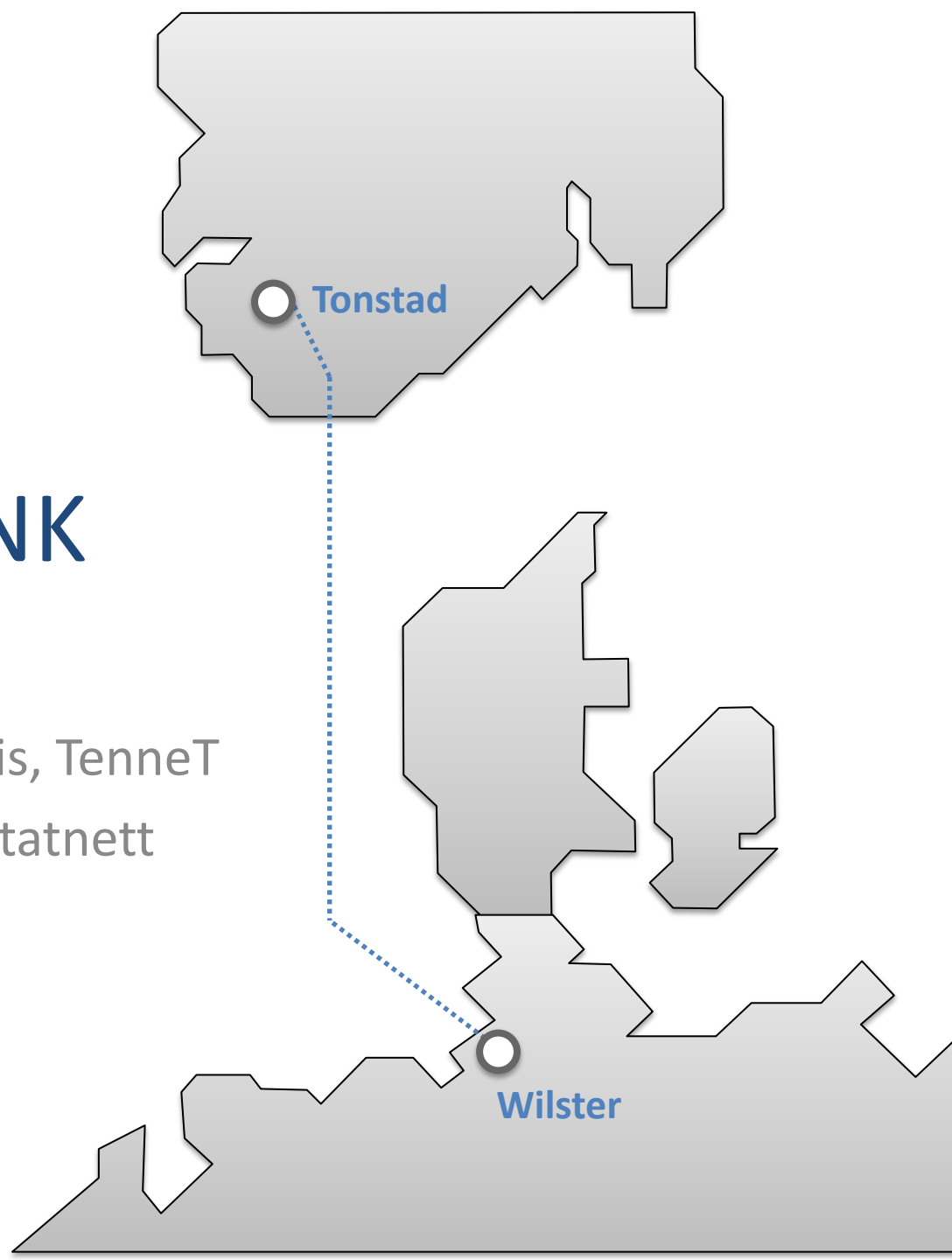


NORD.LINK

Maarten Abbenhuis, TenneT
Bjørn Sanden, Statnett

NORD.LINK



NORD.LINK Partners

The logo for Statnett, featuring the word "Stat" in grey and "nett" in red.

- Norwegian TSO
- Owner and operator of the Norwegian grid, including interconnectors
- 50% ownership



- German TSO
- Owner and operator of the grid at the connection points in Germany
- 25% ownership

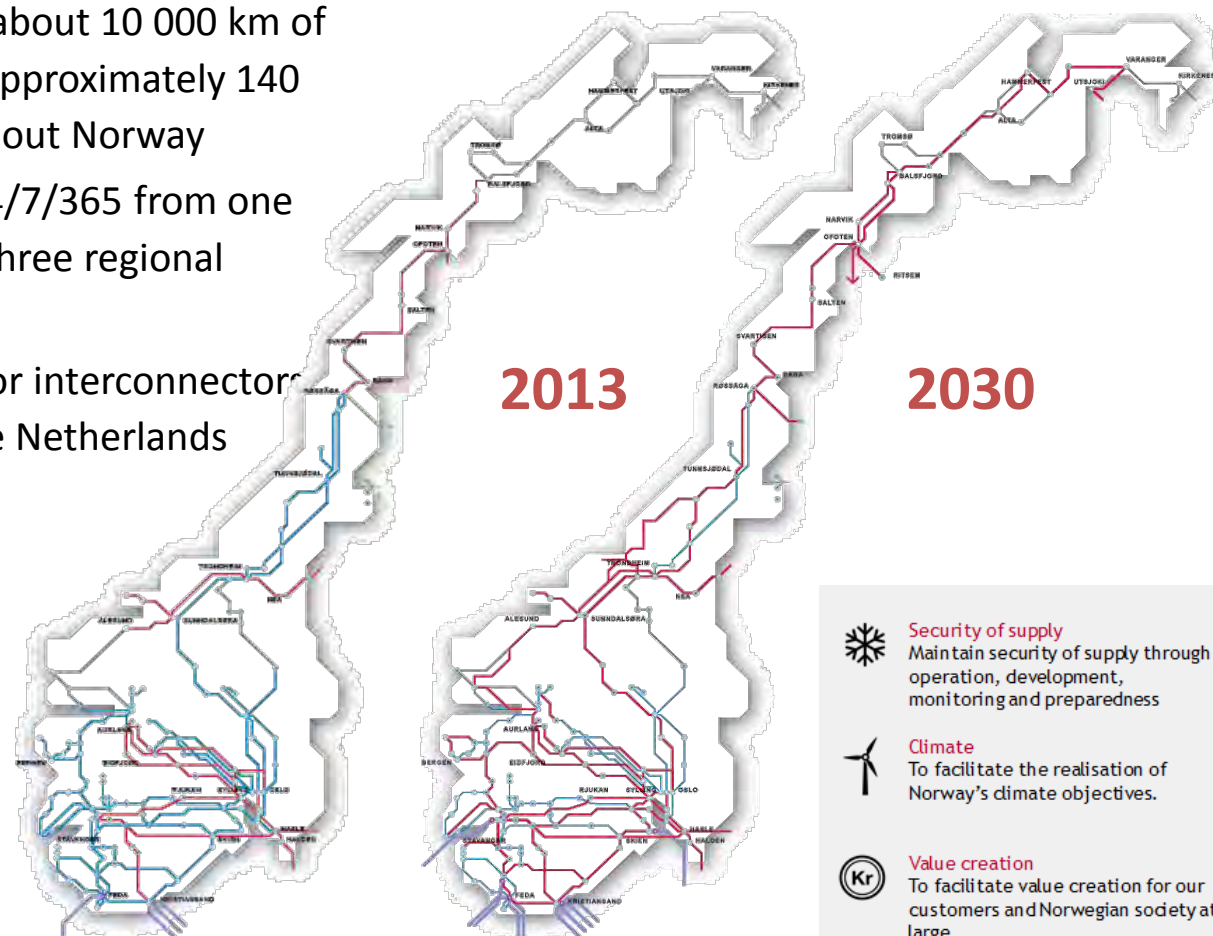


- German government owned financial institution
- Active in financing Energiewende projects
- 25% ownership

Statnett SF

- Statnett is the Transmission System Operator in the Norwegian energy system
- Statnett operates and owns about 10 000 km of power lines and cables and approximately 140 transformer stations throughout Norway
- Operations are monitored 24/7/365 from one national control centre and three regional control centres
- Statnett is also responsible for interconnectors to Sweden, Denmark and the Netherlands

The next generation central grid



TenneT



- Ensuring a continuous supply of electricity, any time and anywhere, 24 hours a day and seven days a week
- Offering an excellent price/quality ratio
- Responding to energy-related developments in society and contributing to the achievement of energy-related objectives
- Actively promoting European market integration through targeted investments
- Creating value for our shareholders

‘Strengthen
& Build’ 2002-2010



‘Distribute & Store’
2011-2020

9 9 . 9 9 9 8 6 %

Introduction to NORD.LINK



Safety, **H**ealth, **E**nvironment and **Q**uality are the highest priority when realizing the first German Norwegian HVDC interconnector during all phases of the project

Introductory movie to NORD.LINK

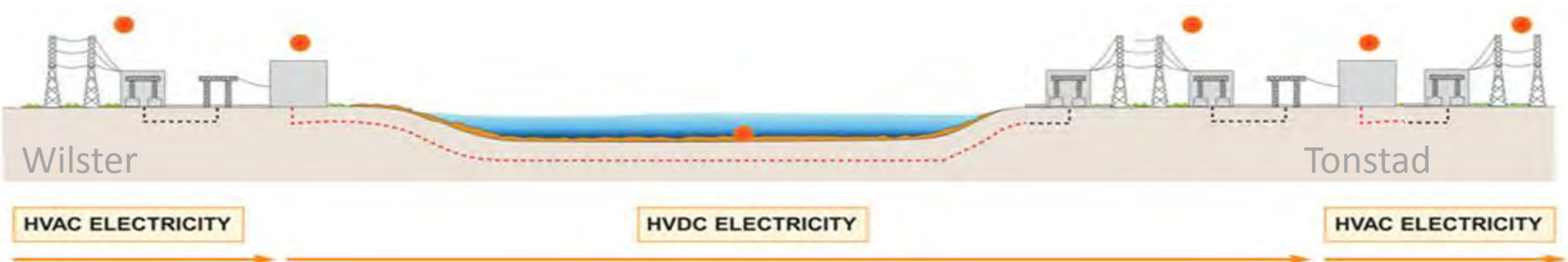
Strategic fit



- Facilitate integration of renewable
- Reduce CO₂ emissions
- Market integration in Europe
- Connecting hydro to wind

Facts NORD.LINK

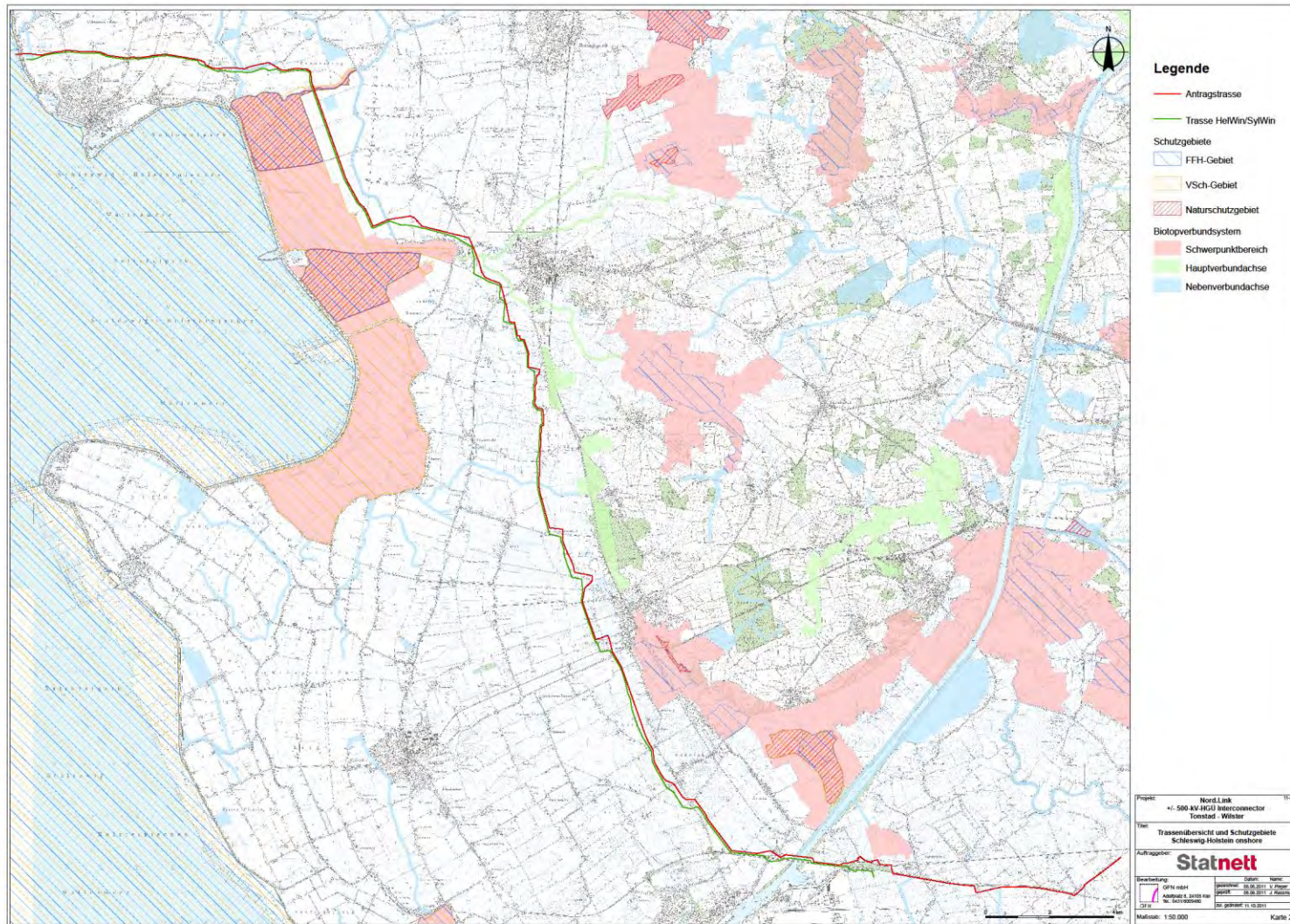
- 1400 MW at +/- 515 kV
- VSC converter technology
- Grid connection points
 - Tonstad, Norway
 - Wilster, Schleswig-Holstein
- Overhead line
 - 53 km OHL in Norway
- Cable
 - 514 km submarine cable route
 - 55 km underground cable route in Germany
 - Bundled cables in German waters
 - Landfall Norway in Vollesfjord
 - Landfall in Büsum in Schleswig-Holstein



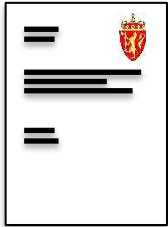
N



Underground cable route

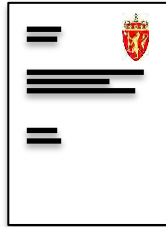


Required licenses



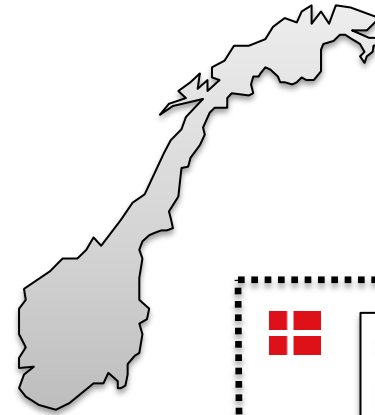
Technical
license

Norwegian Water
Resources and
Energy Directorate



Interconnector
license

Ministry of
Petroleum and
Energy



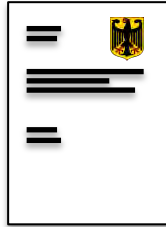
Offshore
license

Danish Energy
Agency



Exclusive
Economic
Zone (EEZ)

Federal Maritime
and Hydrographic
Agency (BSH)



State Mining
Authority (LBEG)



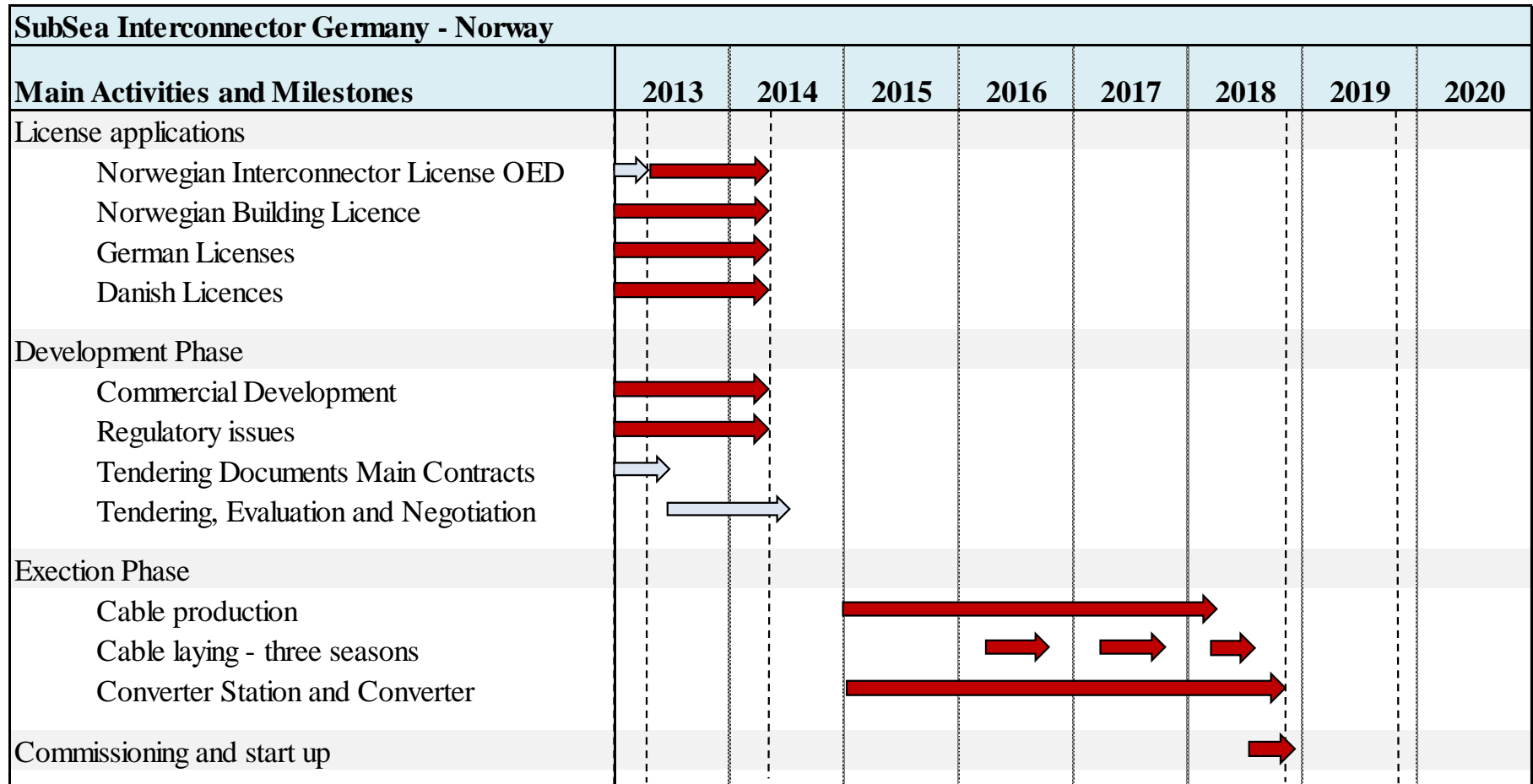
Regional
Planning
Procedure

Amt für
Plannfeststellung
Energie (AfPE)



Stadt und Kreis
- Wegennutzung
- Wasserung
- Private

Timeline



Factors for success NORD.LINK

- License approval
- Successful European tender procedure
 - Production capacity
 - State of the art technique
 - Installation in sensitive areas
- Project management
 - 3 organizations
 - 5 office locations
 - 3 countries
 - Stakeholder management
 - Authorities
 - NGOs
 - Landowners
 - Portfolio management



Questions

- Bjørn Sanden
- Maarten Abbenhuis
- Jos Spits
(licensing Germany)
- Carl-Jørgen Greidung
(licensing Norway and Denmark)

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