



WHEN TRUST MATTERS

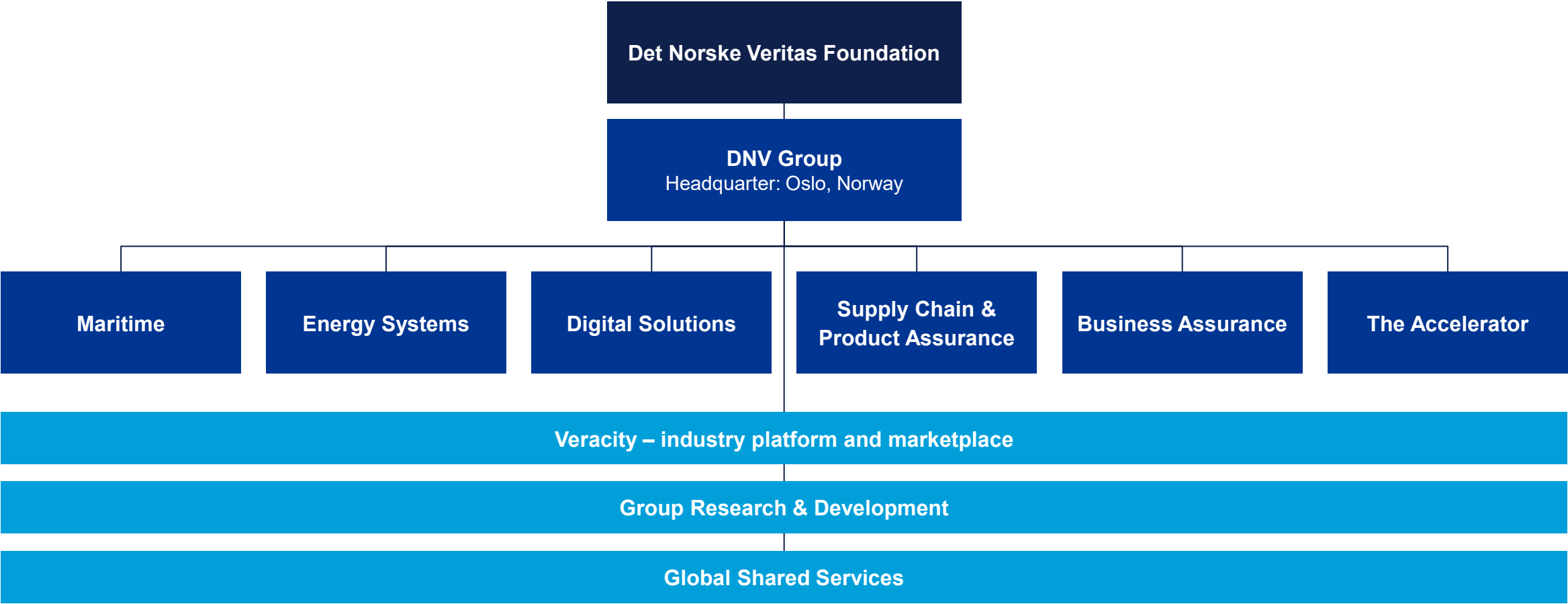
An introduction to DNV

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BDM Certification Greater China
DNV

29 October 2024



Organization





A global assurance and risk management company

~15,000

employees

100,000+

customers

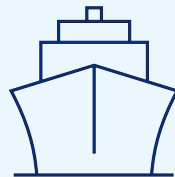
100+

countries

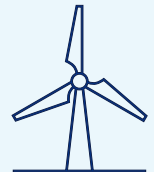
5%+

of revenue to R&D

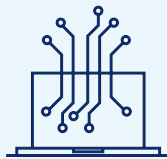
Ship and offshore
classification and advisory



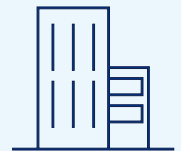
Energy advisory, certification,
verification, inspection and
monitoring



Software, cyber security,
platforms and
digital solutions



Management system
certification, supply chain and
product assurance





160 years of building trust

Since 1864, we have been guided by our purpose of:

Safeguarding life, property, and the environment

Our vision is to be:

A trusted voice to tackle global transformations

We enable our customers and their stakeholders to manage risk and complexity with confidence



Certify, verify and test

against standards,
specifications and
regulatory
requirements



Qualify and assure

new technologies,
systems, data,
platforms, supply- and
value chains



Give expert advice

on safety, technology
and commercial risk,
and operational
performance



Co-create and share

new rules, standards,
software and
recommended
practices

An aerial night photograph of a city, likely Singapore, showing a wide river with a prominent bridge. The city lights are visible, and the bridge has a distinctive red and white structure. The image is used as a background for the slide.

A trusted voice in global transformations

Decarbonization

Digitalization

Sustainability

An aerial night photograph of a city, likely Singapore, showing a river, a bridge with a red arch, and surrounding urban buildings and roads with traffic.

Managing growing system complexity

Rapid technology development

Increased regulatory pressure

Business model evolution

Increased need for transparency



DNV Maritime

全球领先的船级社

覆盖全球

遍布100多个国家的营运站点及
涵盖所有船型和海工的专长

18%

全球入级船舶和海工平台市场
份额（按总吨计算）

约10000 艘

入级的船舶与海工平台数量

质量

在港口国控制排名方面始终
位列世界顶级船级社

DNV Energy System



Offshore Technology & Infrastructure

Actively involved in verification & certification for offshore O&G projects in China since 1985.



Market & Risks

Introduced international advanced methodologies and tools to support Chinese customers to ensure safety & sustainability.



Renewables Advisory

A recognized technical advisor to support China's booming wind and solar development domestically and overseas.



Renewables Certification

The leading certifier in the wind & solar industry for type & project certification, supporting Chinese manufacturers go abroad.



Energy Storage

Newly established in 2021 to serve China's emerging energy storage market.

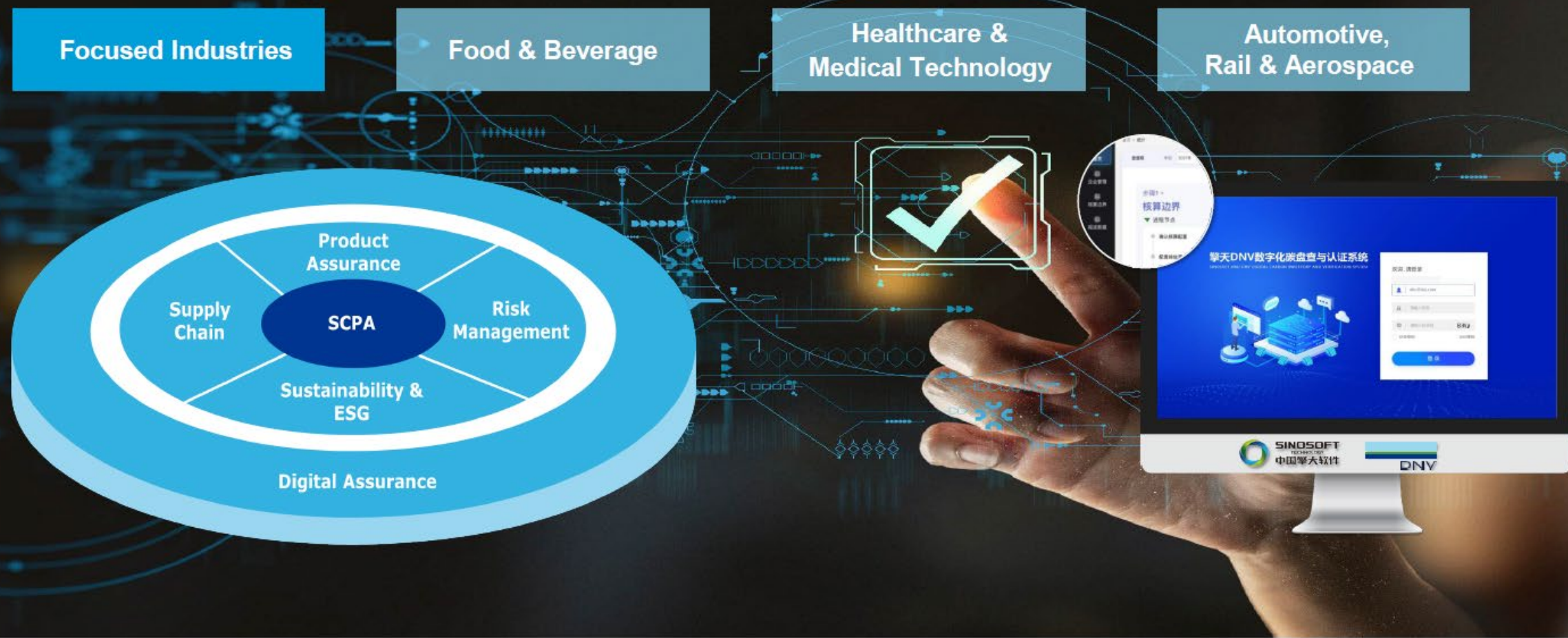


Noble Denton Marine Services

Established a strong market position in China in DP, Marine Engineering & Advisory and Construction Monitoring since 2009.

Supply Chain & Product Assurance

Ensure supply chain transparency & product assurance



Business Assurance

Leading certification body in China

Service Lines

Management System
Certification

Training

130 +
Employee

7300 +
Customers

90,000 +
Certificates

6000 +
Certificates in 2022



Digital Solutions

Specialized for different asset types



Wind turbine design

Wind resource and production assessment

Solar PV plant design

Electric grid asset performance

Offshore structural engineering

Processing plant risk and integrity

Pipeline risk and integrity

Fleet management and operations

QHSE and Enterprise Risk



Accelerator

Cyber Security

- Grow cyber security services in selected North European markets
- Globalize our services

Digital Health

- Establish and grow a world class digital health business
- Scale and establish a profitable business in Nordics/North Europe

Inspection

- Create a top-tier global inspection company
- Diversify into new sectors beyond the present strongholds



Our cyber security services



Strategy & Programme

Develop effective cyber security strategies and programmes, even when you face tight deadlines



Testing & Verification

Test and verify the resilience of systems, networks and components, and access practical, unbiased advice to enable you to prioritize mitigation of vulnerabilities



Safety & security risk management

Ensure security and safety in the design of new and existing projects



Governance, risk & compliance

Implement robust governance, risk, and compliance strategies across projects and operations



Incident response & investigation

Understand what went wrong, what you need to do to recover effectively and establish robust procedures for handling cyber attacks



Insights & training

Ensure that you have the right insights and training in place to build awareness across the full life cycle of your operations

Artificial Intelligence Research Centre

Provide technical consulting services in digital value chains

Mission

- Assurance of AI

AI Technologies

- Large Scale Model
- Computer Vision
- AIoT

Solutions (X.ai)

- NDT.ai; Corrosion.ai; Deformation.ai
- Battery.ai
- Standard.ai (ChatDNV)
- Visual Platform
- AI Testing Lab; AIA Platform

Business Exploration & Scientific Research

- JIPs & JDPs
- 5+ Scientific Papers at world top conferences
- Fudan collaboration

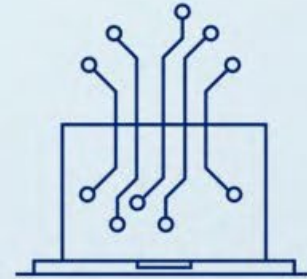
Offshore Wind: MI + ES + DS



Leading ship and
offshore
classification
society



Leading offshore
wind certification
body and
independent
technical advisor



Leading software
provider for design
and engineering of
renewables and
ocean structures

One DNV approach key success factor for Odfjell Oceanwind and Source Galileo



Collaboration and sharing



Familiarise ourselves with each others' services



Join forces for meetings as relevant



Present DNV services and not BA-services

A key success factor towards this consortium has been that we have been perceived as "one DNV" by the client through seamless integration of services and the sale of such

Fish farming: Ocean Farm 1

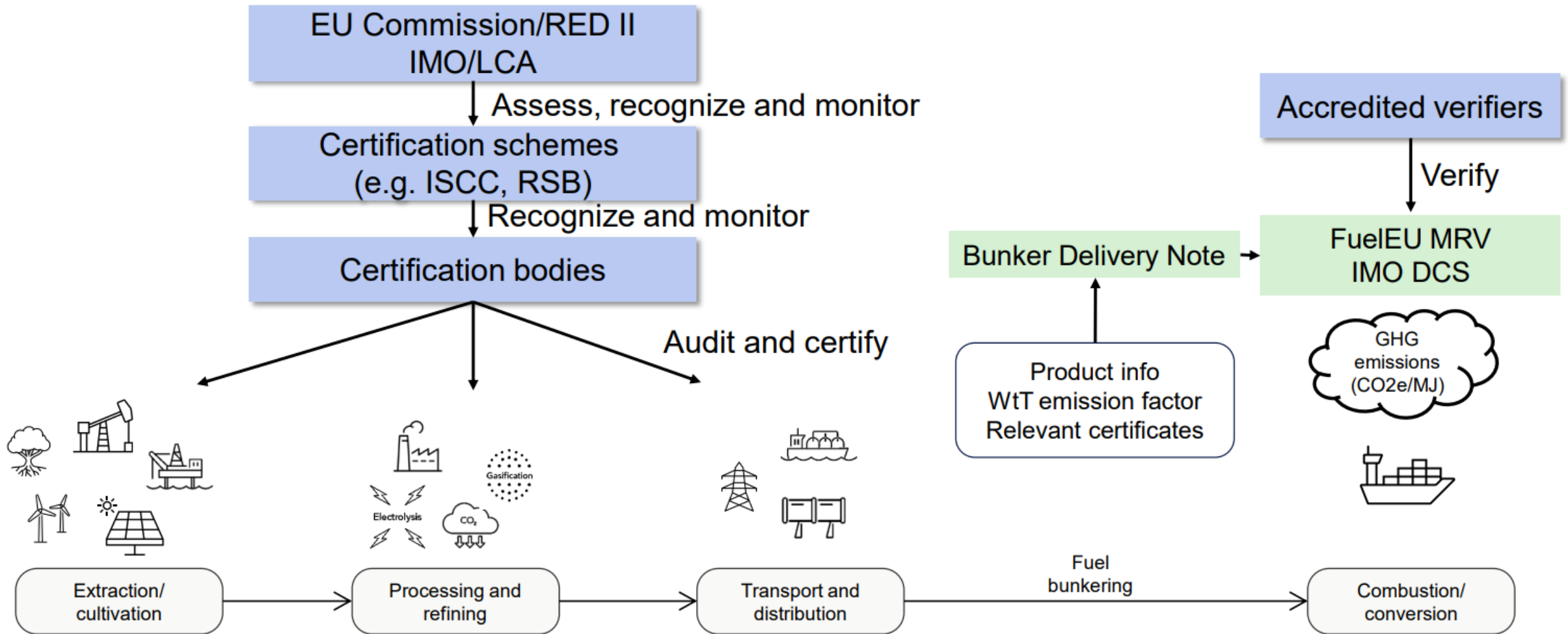
The expansion of fish farms into exposed locations is based on a combination of two well-known concepts – offshore technology and fish farming.... DNV's contributions have been essential to ensure its success and operational excellence

- Owned and operated by SalMar, Ocean Farm 1 is the first salmon farm designed and built for exposed operation, with a novel design that combines solutions from aquaculture and the offshore industry
- The certification of Ocean Farm 1 to a new DNV standard for offshore fish farming installations represents a vital first step towards the utilization of new ocean spaces for aquaculture
- Key dimensions of Ocean Farm 1:
 - Height: 69 m
 - Diameter: 110 m
 - Volume: 250,000 m³



Source: <https://www.straitstimes.com/business/singapores-largest-offshore-floating-solar-panel-system-to-be-built-along-straits-of-johor>

Certification on Green Fuels: Maritime + BA + SCPA



我们的宗旨

捍卫生命与财产
安全，保护环境

我们的愿景

做全球转型中，
值得信赖的发声者

Thank you

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