Royal HaskoningDHV Digital

Digital consultancy and software solutions

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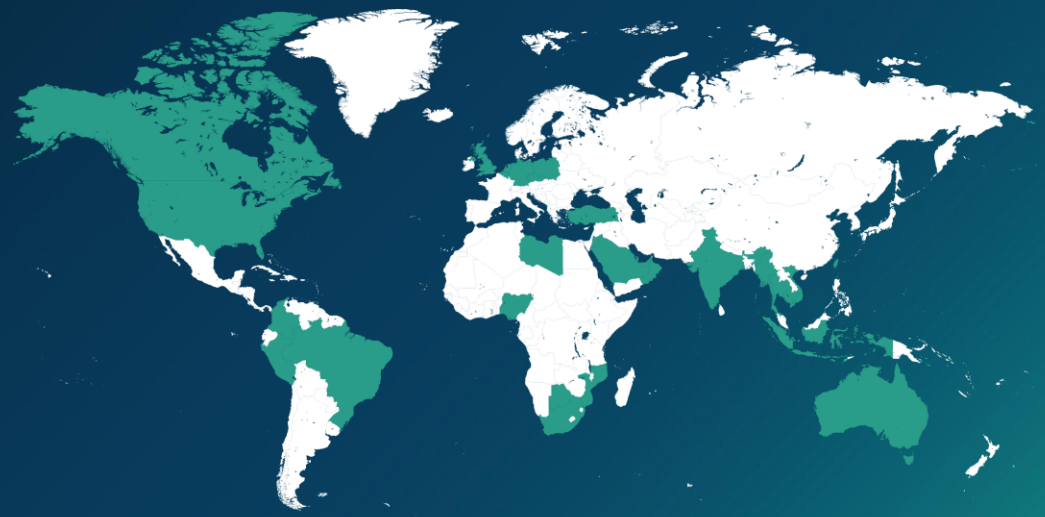
Introducing Royal HaskoningDHV

Our company profile

- 140 years of experience
- Engineering, consultancy and (digital) technology firm
- 6,000 colleagues, over 140 countries
- €637 million operation income in 2019

Industry
Aviation
Maritime
Energy
Infrastructure
Water
Manufacturing
Transport
Mobility
Oil & Gas

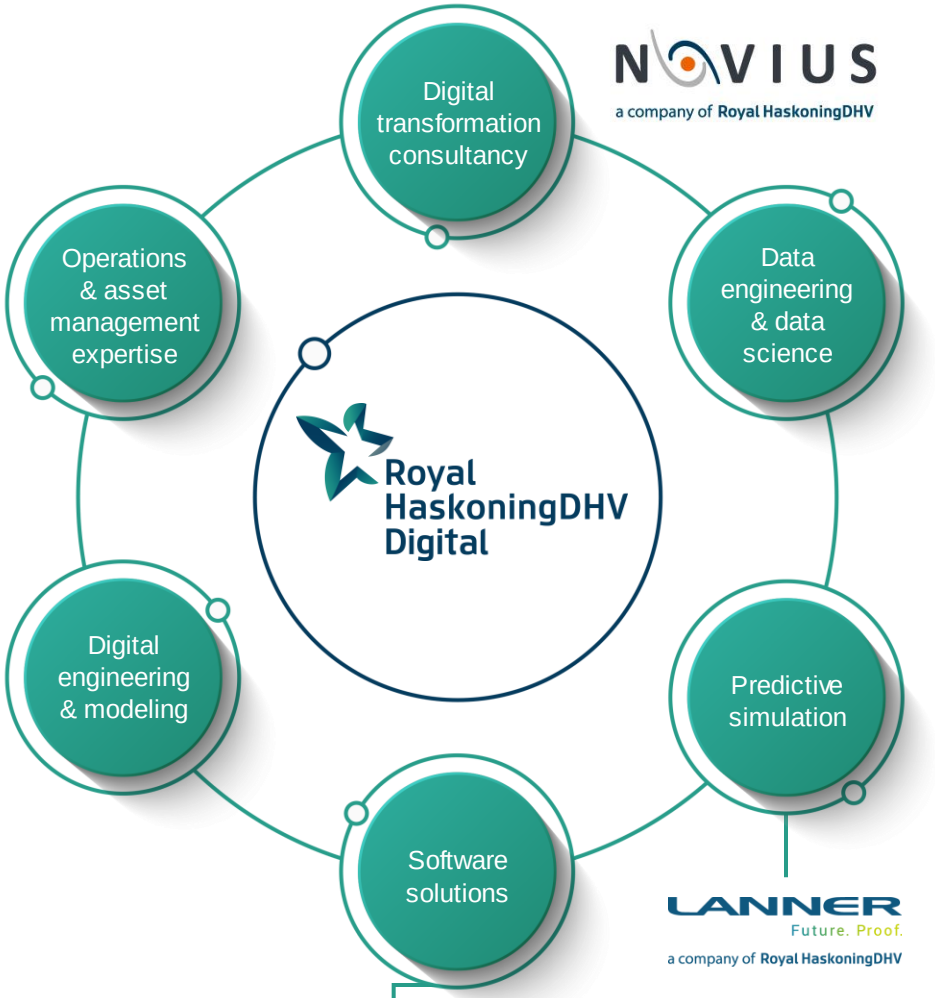


Royal HaskoningDHV Digital

Why Royal HaskoningDHV Digital?

Converging business, operations and IT

Real time decision making



- E.G. Aquasuite (water twins)

Our mission

Harness the power of data to deliver the environments of tomorrow

Rethink space

Operate in uncertain environments

Integrating the physical and digital world – endless possibilities

Improve quality of life

Key markets

Digital industry

Digital water

Digital urban spaces

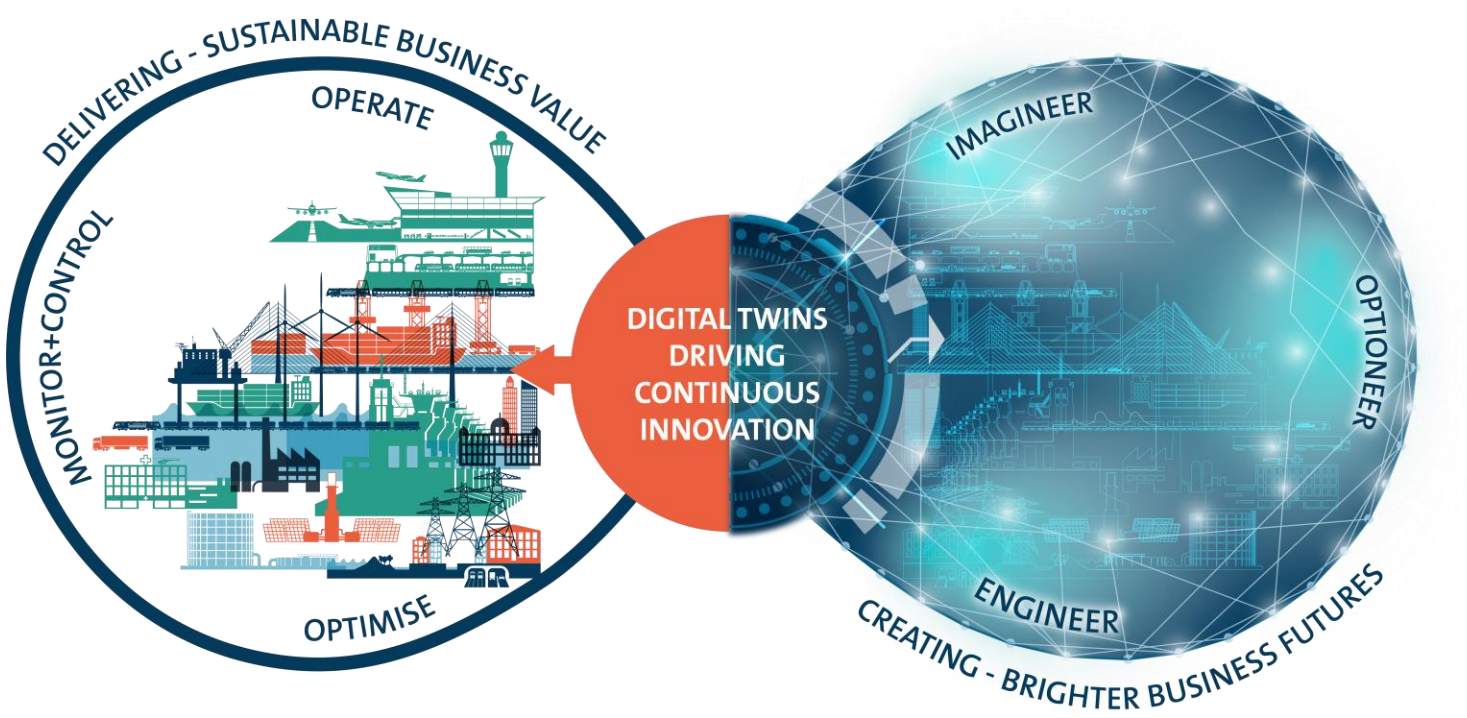
Digital maritime

Digital aviation

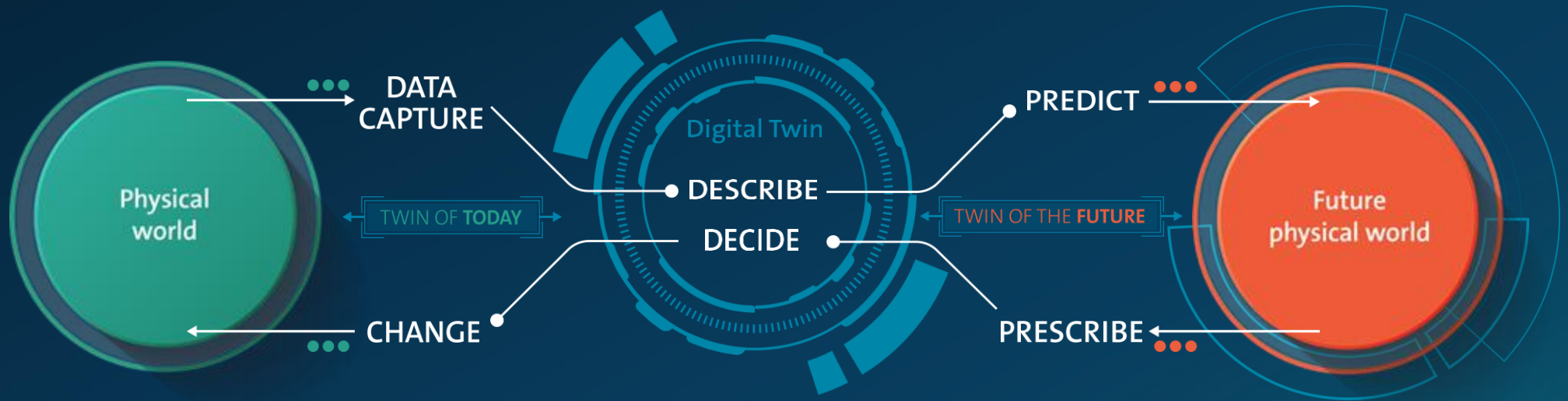
Financials

Our vision: Connecting the physical and digital worlds

Accurate decision-making is key to driving sustainable business value, increasing resilience and improving performance.



Understanding the physical world



Shaping the physical world

Predictive and prescriptive digital twins
Simulate potential future scenarios to make more informed decisions.

Design simulation twin
Simulate scenarios as part of the design process for better end results.

Our digital capabilities

We offer industry-leading simulation, data analytics, data mining, software engineering and AI skills.

Everything you need to experiment and find new, innovative solutions to your challenges in a risk-free virtual environment.

Data Science & AI

Solve your challenge with our statistical modelling, machine learning and domain expertise.

Data Engineering

Design and build a bespoke data infrastructure – with the outcome in mind.

Data Consulting

Bridge the needs of the business, and the possibilities of data science.

Predictive Simulation

Test without risk, optimise designs, and predict the outcome of complex decisions.

Optimising processes in every environment

Asset management

Crowd & traffic management

Process optimisation

Water management

Energy optimisation

Climate resilience

EO in RHDHV Digital

1: High resolution

2: Coarse Resolution

3: Integrated topics

EO in RHDHV Digital

1: High resolution

Can we detect object type x and see change over time.

Quality
- Fast growing water plants, algae

Quantity
- Water level

Risks to water system
- Congestion, fishing jetties, flow speed, overgrowth, subsidence, sedimentation

Risks to surrounding area
- Damage to flood defences
- Illegal buildings
- Subsidence

Beach / foreshore topography and bathymetry

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2: Coarse Resolution

Change over time of land cover and water availability trends.

Location
- Where

Type
- Pond, lake, well

Quantity
- Level, content
- Count

Variation
- Permanent vs temporary water bodies

Risks
- Illegal activities within water body
- Sedimentation
- Flood hazards

3: Integrated topics

Water availability vs water demand

Drought vs floods

Salinisation of soil

Basin scale high resolution surface model

Basin scale high resolution topography

Questions?

For more information, visit out website:
www.royalhaskoningdhv.com/digital

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