



CAETS 2027

*Rotterdam, The Netherlands
27-30 September 2027*



NETHERLANDS ACADEMY OF ENGINEERING

CONNECT TO INNOVATE

2023 ESTABLISHED

With the goal to accelerate large and complex societal transitions by amplifying the voice of the engineer¹

91 FELLOWS

From diverse backgrounds and expertise (both business and academic), of which 13 Young Engineers

3 CORE ELEMENTS TO SUCCESS

Forum – Bring our members together to generate new, innovative insights

Advice – Translate insights into tangible advice to the wider innovation ecosystem

Pivot – Ensure follow-up on advice and build a strong movement





Where nature and
innovation go hand in hand

THE NETHERLANDS

MORE THAN WINDMILLS, CANALS
AND TULIPS

The Dutch are internationally acknowledged for their modern, creative, and innovative solutions to significant global challenges, including climate adaptation, water management, the energy transition, and issues related to land and food scarcity.

ROTTERDAM

HUB FOR INNOVATION AND REINVENTION FOR
FUTURE PROOF URBAN PLANNING

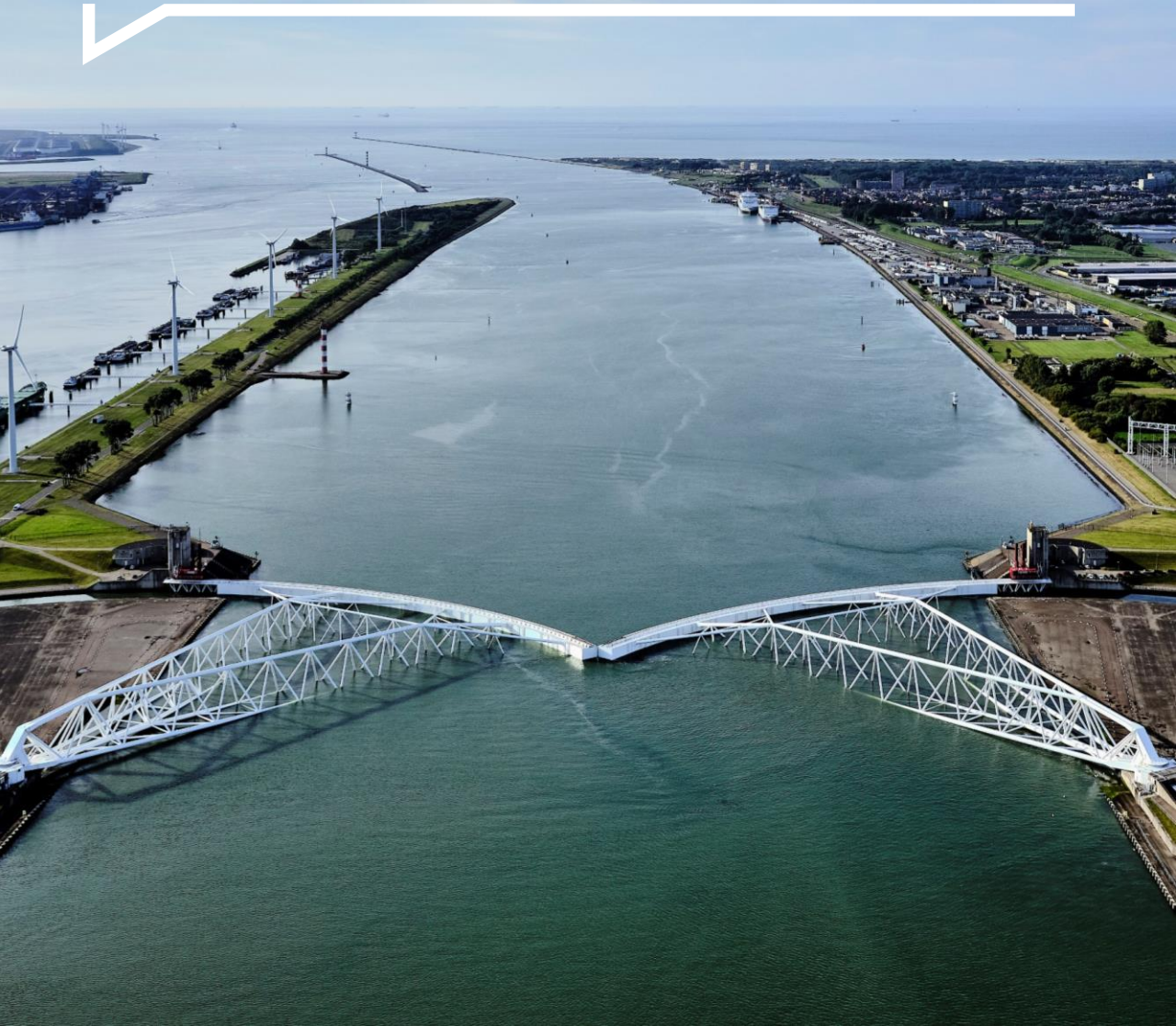
Rotterdam is a dynamic world city that keeps reinventing itself at speed. Whether it is our ever-changing skyline full of bold architecture, our port which is the largest in Europe and regarded as the smartest in the world or the 'can do' mentality of the Rotterdam people in all their diversity:

Rotterdam is an entrepreneurial city with a distinct character, constantly evolving and always looking forward.

A city of frontrunners
with the courage and
will to drive change



The Dutch have centuries of experience protecting land almost 7 meters below sea-level leading to engineering feats such as the Delta Works



WATER: FRIEND AND FOE

CAETS 2027 THEME

Water is the cornerstone for life – it is essential for our livelihoods, wellbeing, and economic progress.

Climate change makes working with water **difficult** through weather extremes, rising sea levels, and negative effects on water quality.

These problems ask for a combination of engineering and nature-based solutions on a **systems level**: engineering and technological sciences allow us to capitalize on the opportunities water brings, and to minimize risks.

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WATER: FRIEND AND FOE

ENGINEERING SOLUTIONS FOR WATER...

Safety

Strong dunes and dikes withstanding sea-level rise and subsidence

Quantity

Transition from champion water disposal to champion water retention

Drinking

Clean water security for a growing population - now and in the future

Quality

Healthy water ecosystem, chemically and ecologically

Treatment

Utilization of molecules and materials in sewage before it is disposed

Infrastructure

Preparation for safe transportation and ports in uncertain conditions

Energy

Smart ways to generate or (long term) store clean energy

And more!

HOPE TO SEE YOU THERE!

Rotterdam, The Netherlands

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Lukas Roffel

*Chair NAE
CTO Thales Group NL*



Lucas Noldus

*Chair NAE International Committee
CSO Noldus Information Technology*



Piet-Hein Daverveldt

Chair Water Board Delfland



Annelies ten Have

Manager Forum NAE



Ton van der Steen

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