

# Welcome to the world of NIRAS

Where engineering and consulting meets everyday life

JANUARY 2026

**NIRAS**

WE EXIST TO

# Engineering solutions for a shared future



**NIRAS**

A company shaped by two strong roots



Founded in 1956, with roots going back to 1912



# By our four founding fathers



Engineer  
**Ludvig Birch**  
1877-1955

Birch & Krogboe  
CONSULTING ENGINEERS



Engineer  
**Jacob O. P. Krogboe**  
1879 - 1950

Birch & Krogboe  
CONSULTING ENGINEERS



Civil engineer  
**Jørgen Kristian Nielsen**  
1925-2017

NIELSEN & RAUSCHENBERGER



Civil engineer  
**Konrad Rauschenberger**  
1924-2015

NIELSEN & RAUSCHENBERGER

# We work where engineering meets everyday life



## **Building: Creating flexible spaces and urban functionality**

We bring visions to life in newbuild, refurbishing, and repurposing. Our expertise covers schools, hospitals, offices, factories, and housing that support well-being, energy saving, and urban functionality.



## **Process industry: Optimising industrial facilities for the future**

We drive change from food and pharma to advanced manufacturing and green fuels. We deliver end-to-end design and optimisation of complex industrial sites – with an increasing focus on reducing emissions and improving energy efficiency.



## **Data and digitalisation**

We help clients across sectors work smarter with data science, AI adoption, geospatial planning and analysis.



## **Infrastructure: Connecting people, industries, cities and societies**

We deliver efficient transport & mobility solutions, and we help our clients build resilient heavy infrastructure like tunnels, bridges and marine constructions.



## **Energy: Engineering the energy systems of tomorrow**

We support the shift to renewables. Our expertise covers district heating and cooling, high voltage power grids and electrification, wind, solar, hydro-power, biogas and green fuels



## **Environment and nature**

We help public and private clients across sectors to understand and manage environmental risks while also identifying opportunities to deliver positive environmental outcomes and nature gains.



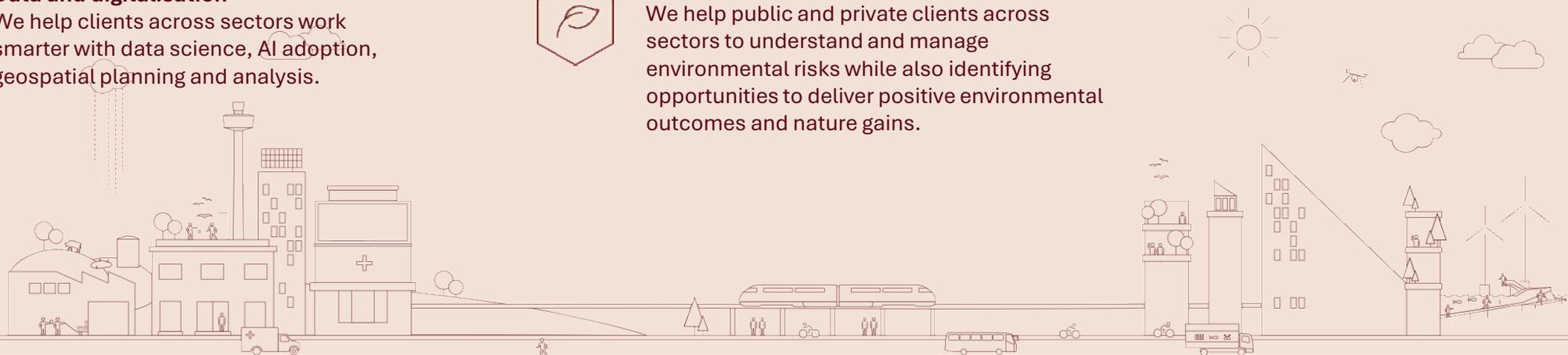
## **Water: Solutions for the entire water cycle and resilient water infrastructure**

We offer expert consultancy for water resources, drinking water, water supply, technical and industrial water, wastewater, sewers and climate adaptation.



## **Development consulting: Building capacity and strengthening systems in developing regions**

We work with governments, donors, and development organisations to improve public services, infrastructure, and governance – from water, energy, and health to education, civil society, and institutional capacity.



# We listen, learn and deliver. That's how we earn trust.

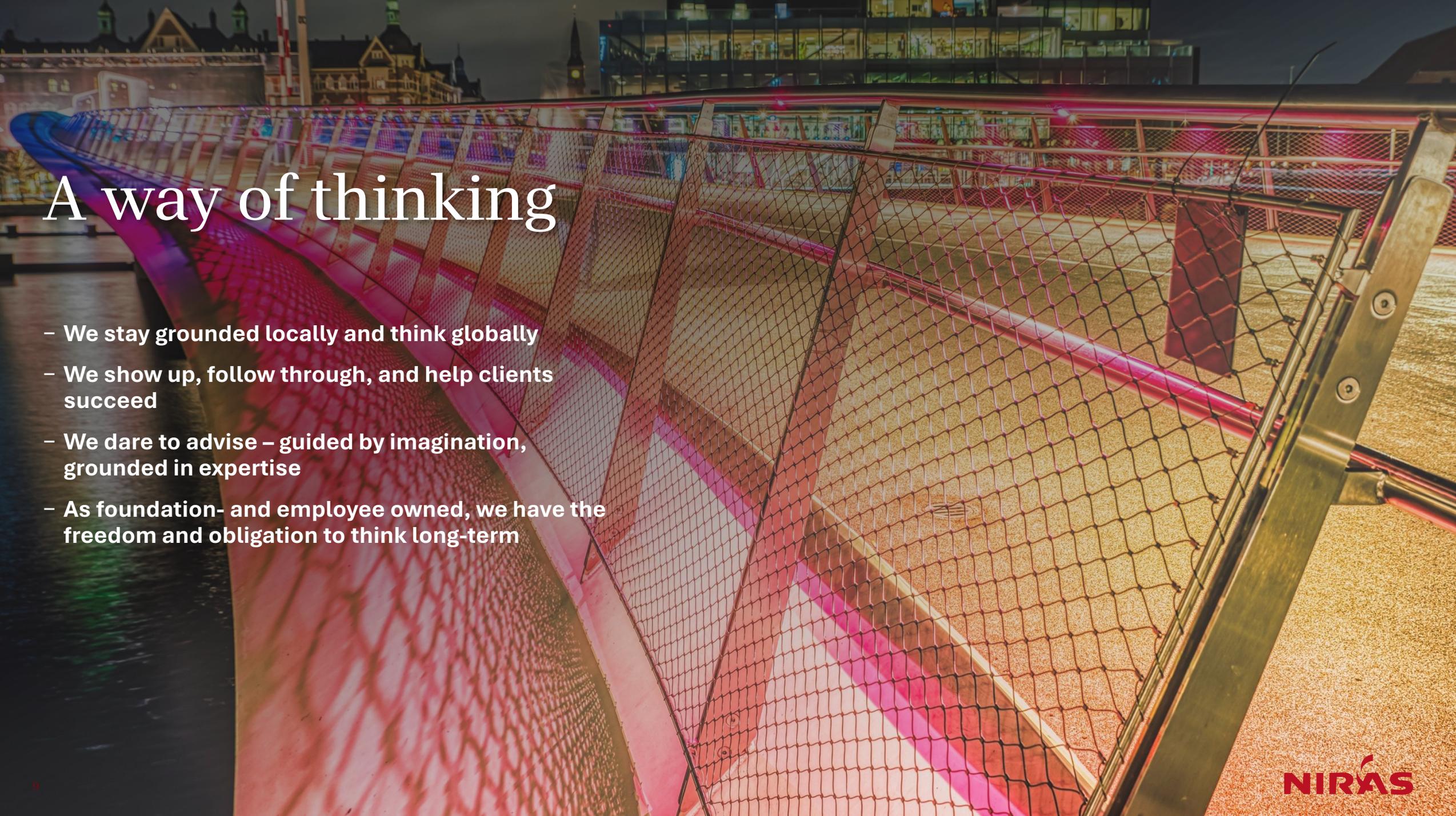
- We stay close to our clients to understand their goals, reality, and challenges
- Our lean structure means clients get fast, informed decisions – without layers of bureaucracy
- We bring deep expertise and the scale to solve even the most complex problems





# It's never just one expert. It's the power of many minds

- 3,000+ dedicated specialists ready to work with you
- Our collective expertise drives your results
- Whatever your challenge, we probably have the expert for it



# A way of thinking

- We stay grounded locally and think globally
- We show up, follow through, and help clients succeed
- We dare to advise – guided by imagination, grounded in expertise
- As foundation- and employee owned, we have the freedom and obligation to think long-term



## Proven in practice

A selection of real projects that demonstrate the diversity of our work and partnerships.

# Helping HEINEKEN cut emissions by 90%

- Redesigned energy systems at 40+ breweries worldwide.
- Process optimisation and energy efficiency advice.
- Supporting the effort to achieve 100% renewable electricity across all production sites.



# NIRAS and Contura shape the future with risk-based validation approach

- Full-service consultancy for Contura's expanded hydrogel production, merging old and new facilities with minimal downtime.
- Risk-based validation approach aligned with updated regulations, prioritising patient safety and internal knowledge retention.
- Efficient supplier and documentation management to ensure timely delivery and avoid redundant testing during qualification.
- Supporting the production of long-lasting, biocompatible, non-degradable hydrogel to the benefit of humans and animals alike.



# Filters, insulation, adhesives and personal safety production plant

- Full EPCM services for 3M client incl. building and building services design (internal fit-out, roads, parking, main utility links to city, building and environmental permits).
- Initial expansion 2012/13 was 15,000m<sup>2</sup>.
- Further expansion phases 5A, 6A & 6B added 17,500m<sup>2</sup> plus internal remodelling, car parking, security access, waste management center.
- Enabling the production of industry-relevant products, worker safety and consumer goods.

A large, bold, red 3M logo is positioned in the lower right quadrant of the slide, set against a light beige background.The NIRÁS logo is located in the bottom right corner of the image. It consists of the word "NIRÁS" in a bold, red, sans-serif font, with a small red graphic element above the letter "Á".

# Creating a new manufacturing facility for Danish Crown

- Conversion of a newly built warehouse into a food-grade meat processing facility for Danish Crown, meeting BRC standards within a tight timeframe.
- Responsible for overall design coordination, detailed design, procurement and implementation of most building and service elements.
- 20-month project valued at £40 million, currently in implementation stage with completion expected in Autumn 2023.
- Facilitating the optimised production of quality consumer meats.



**Danish Crown**



# Designing resilient urban spaces in Copenhagen

- Multi-award-winning nature-based design: 18 social bioswales retain up to 3,000 m<sup>3</sup> of rainwater.
- Social & community value: The basins double as gathering spaces, creating vibrant meeting areas that strengthen local identity and ownership.
- Impact: By preventing flooding and turning rain into a resource, the park provides climate resilience, and delivers long-term economic and environmental benefits.



# Unique domicile with advanced technical installations

- 11,700 m2 new domicile in Aalborg for energy supplier Norlys; a building with DGNB gold certification, unusual geometry, and unique architecture
- NIRAS contribution: Cross-disciplinary consulting in all phases of the project, design of and advice on advanced technical installations and fire safety design, DGNB consulting and certification.
- Designed and engineered with focus on the indoor climate and well-being for employees with an open atrium and most of the office space overlooking the nearby fjord.

**NORLYS**



**NIRAS**

# World's first circular kindergarten

- New kindergarten in Gladsaxe Kommune constructed by reusing building materials from the previous buildings at the site.
- NIRAS contributed as advisor on responsible recycling of the building materials - from the initial demolition process to the construction of the kindergarten.
- Designed for full disassembly with 95 % of materials recyclable or reusable.
- The kindergarten receives positive reviews for its exciting and aesthetic design that supports learning and creativity.



GLADSAXE



# Shaping future offshore wind energy in Denmark

Screening potential sites for large-scale expansion of offshore wind energy in Danish waters

Coordinating extensive environmental mapping, including flora, fauna and more parameters

Knowledge-based build-out of renewable energy with co-existence in mind

**CLIENT:** Danish Energy Agency

**COUNTRY:** Denmark

**PERIOD:** 2022-25



# Protecting species while developing flagship urban area

- Ensuring habitats for protected toad species living in construction area
- Nature protection integrated with urban development and climate adaptation
- A truly pioneering solution that balances urban development and biodiversity considerations

**CLIENT:** By & Havn (Copenhagen City & Port Development)

**COUNTRY:** Denmark

**PERIOD:** 2023-25



# Beautiful bicycle bridge connects historic Copenhagen

- A bridge for bicyclists and pedestrians brings the historical parts of Copenhagen closer together.
- NIRAS designed the bridge, called Lille Langebro, which will have up to 10,500 users daily.
- Impact: The beautiful bridge relieves the heavily trafficked Langebro and connects historic parts of the old city.

**CLIENT:** Realdania / City of Copenhagen

**COUNTRY:** Denmark

**INARGURATED:** 2019



# Evaluating large scale nature restoration in Germany

- Tracking the progress of an ambitious rewilding project
- Balancing multi-stakeholder needs in role model nature restoration project
- Supporting the client in realising tangible ecosystem recovery

**CLIENT:** Rewilding Oder Delta e.V.

**COUNTRY:** Germany

**PERIOD:** 2024-30



# Defining the environmental framework for future offshore wind

- Advising the authorities on monitoring of environmental effects of future offshore wind farms
- Clarifying demands across ten environmental areas for industry players
- Protecting life below and above the surface of the sea while promoting the renewable energy transition

**CLIENT:** Danish Energy Agency

**COUNTRY:** Denmark

**PERIOD:** 2022-25



# Interdisciplinary approach in Greenlandic airport project

- Strengthening client support by combining consultancy competences across construction, infrastructure, and environment
- Exploiting our deep knowledge about Greenland in the ongoing development of the country's infrastructure
- Expanding Greenland's connections to the world while respecting unique environmental properties

**CLIENT:** Greenland Airports

**COUNTRY:** Greenland

**PERIOD:** 2019-25



# Major cloudburst tunnels to protect Copenhagen from torrential rains

- Valby cloudburst tunnel will stretch 2.4 km through Copenhagen's underground. Construction is expected to be finalised in 2028.
- Kalvebod Brygge cloudburst tunnel is part of the same climate-resilience programme in Copenhagen. The 1.6 km tunnel will be commissioned in 2026.
- The Damhus tunnel, Denmark's longest (3.4 km) waste water reservoir, was commissioned in 2017.
- Impact: Safeguarding citizens and urban assets against flooding and reducing economic damages.

**CLIENT:** HOFOR (Greater Copenhagen Utility) / Frederiksberg Utility

**COUNTRY:** Denmark

**PERIOD:** 2011-2028



# Legendary railway connecting Bergen to Oslo

- Development of a technical master plan
- Including three passing loops at Dale, Veme, and Sandermosen
- Impact: Improved stability and flexibility of traffic for both passenger and freight trains

**CLIENT:** Bane NOR

**COUNTRY:** Norway

**PERIOD:** 2023-2025



# Coastal protection in Egypt

- The project will develop a climate resilient integrated coastal zone management (ICZM) plan for the 1,000 km along the Mediterranean coastline in Egypt.
- The USD 105M project encompasses the construction of low cost nature-based systems in the Nile Delta coastal strip
- Impact: Increasing the resilience of the north coast and Nile River Delta in Egypt

**CLIENT:** UNDP Egypt

**COUNTRY:** Egypt

**PERIOD:** 2021-2024



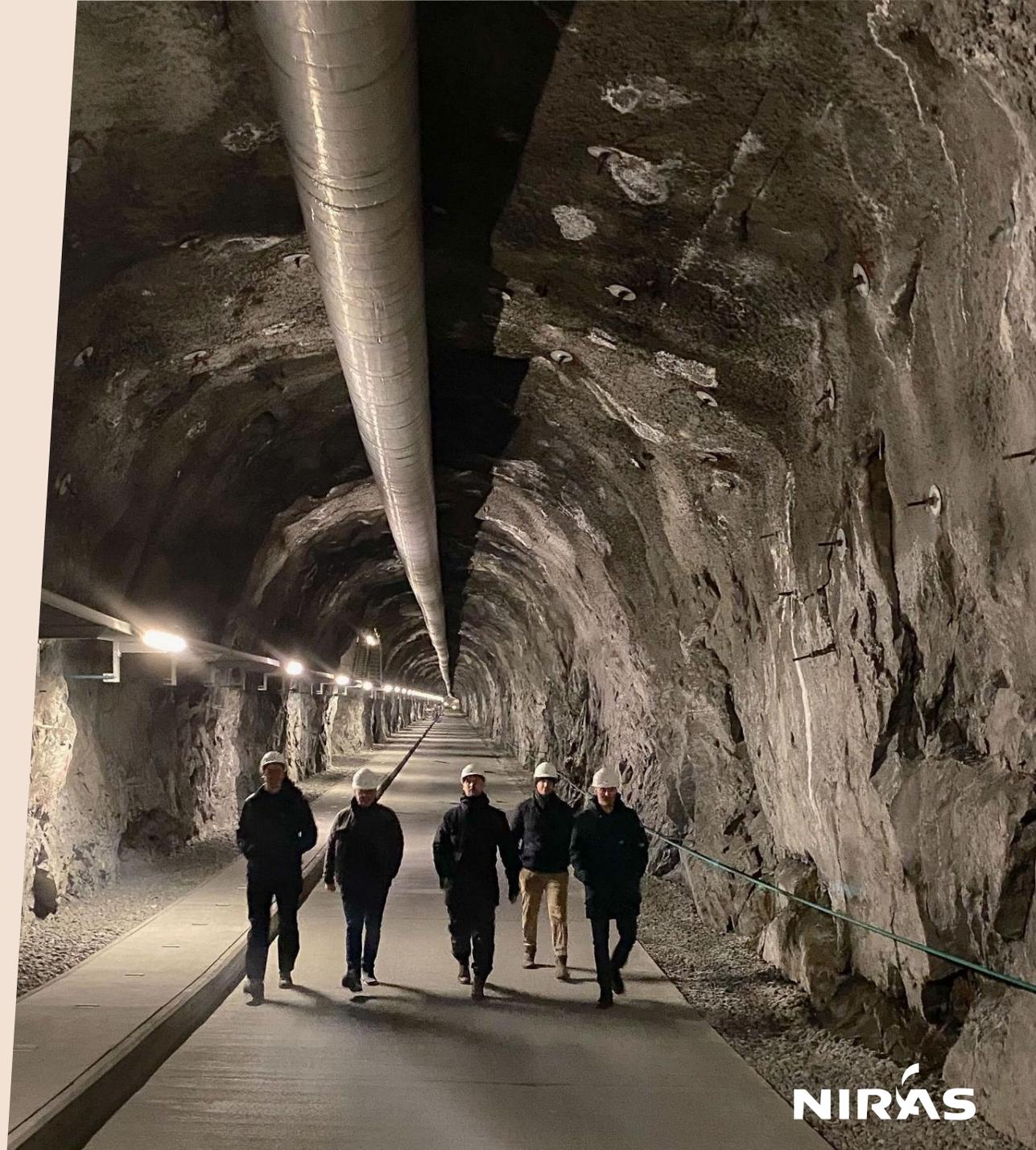
# Expanding Greenland's largest hydroelectric plant

- Expansion of the hydroelectric power plant at Buksefjorden in Greenland - the largest plant in the country supplying the city of Nuuk.
- The consultant team N:I:A, consisting of NIRAS, Inuplan and AFRY, undertakes the tasks as client consultant.
- Impact: Increasing energy production from a maximum of 255 GWh annually to an expected future maximum capacity of potentially 660 GWh annually.

**CLIENT:** NunaGreen A/S

**COUNTRY:** Greenland

**PERIOD:** 2023-2030



# Grand waterworks to supply Denmark's capital region with drinking water

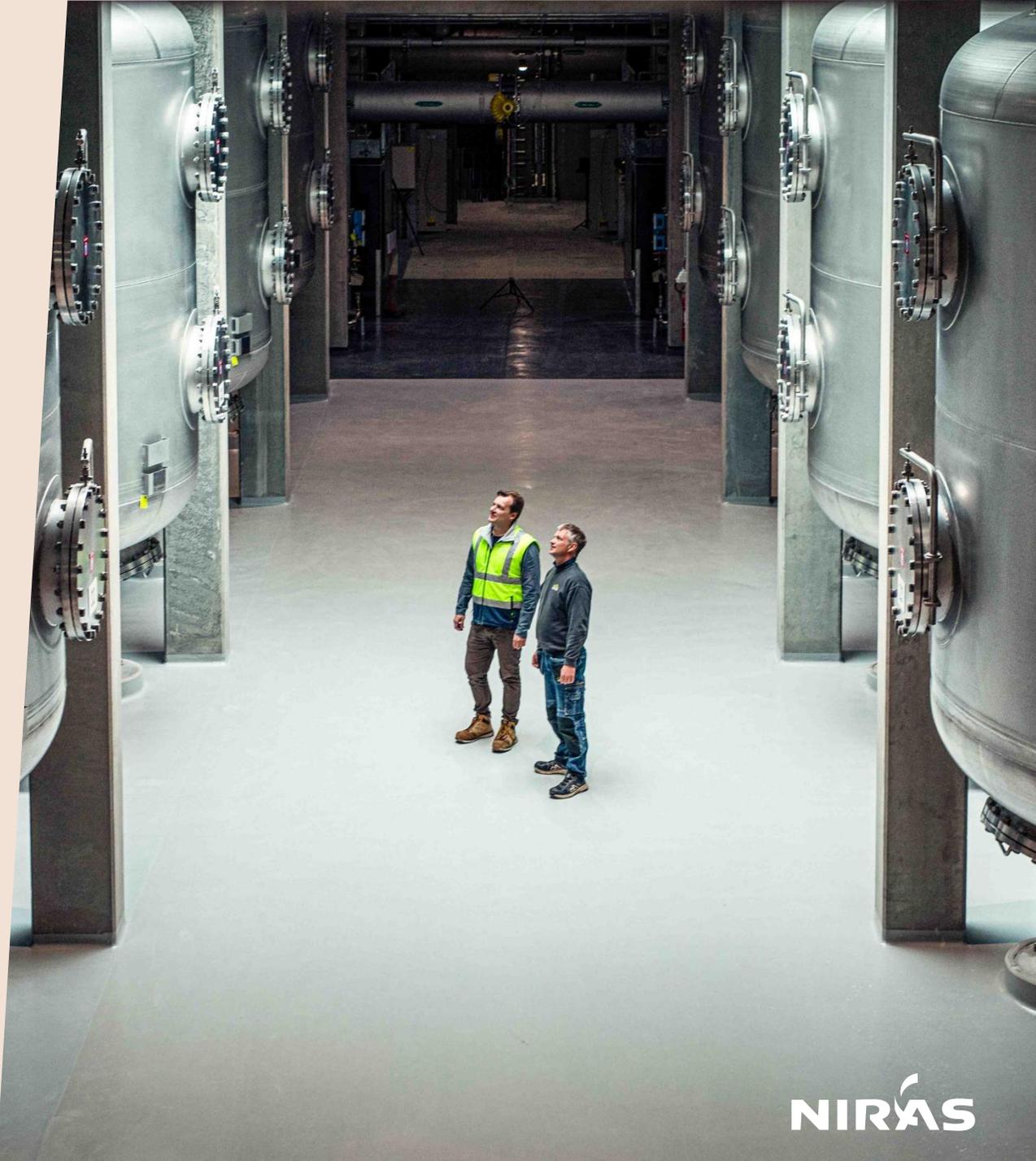
- Designing the complicated process plants for six regional waterworks with brand new and state-of-the-art facilities
- As part of the grand waterworks renewal scheme, we help implement softening of drinking water on a scale unprecedented in Denmark
- Advanced water treatment including technologies for removal of PFAS and DMS
- Impact: By providing Copenhagen with high-quality softened drinking water, the project increases the longevity of household appliances and enhances overall water-supply security.

**CLIENT:** HOFOR A/S (Greater Copenhagen Utility)

**PROJECT PARTNER** Krüger and Witteveen Bos

**COUNTRY:** Denmark

**PERIOD:** 2017-2028



# Support to the rebuilding of Ukrainian infrastructure

- Multiple feasibility studies supporting rehabilitation and/or construction of wastewater treatment and water supply facilities as well as combined heat & power plant in Burshtyn, Novovolynsk, Mykolaiv and Lozova.
- Improved delivery of safe drinking water and investigation of alternative sources following Russian bombing of Mykolaiv.
- Positively impacting the lives of around 600,000 people

**CLIENT:** Swedfund

**COUNTRY:** Ukraine

**PERIOD:** 2024-2026



# Curbing illegal deforestation in 16 nations

- Driving adaptive monitoring, evaluation, and learning in the UK's flagship global forestry initiative.
- Managing £73 million in accountable grants to ensure value for money and coherence among delivery partners
- Supporting policy dialogue and governance reforms to strengthen forest governance and market linkages across producer and consumer countries.

**CLIENT:** FCDO

**COUNTRY:** 16 tropical forest countries in Asia-Pacific, Africa, Latin America and the Pacific

**PERIOD:** 2025-2030



# Accelerating the deployment of clean, affordable off-grid energy solutions

- Supporting the establishment of up to 1.7 million energy connections by 2028, benefiting more than 8.6 million people.
- Delivering on-the-ground monitoring of contracted energy service providers, validating milestones, and assessing their financial health and sustainability.
- Collaborating with local stakeholders to create a conducive business environment for renewable off-grid services

**CLIENT:** Nefco (Nordic Bank)

**COUNTRY:** Burkina Faso, Democratic Republic of the Congo, Mozambique, Liberia, Uganda, Zambia

**PERIOD:** 2022-2027



# Creating job prospects and career paths for Serbian youth

- Management of 12-year Swiss-Serb partnership to create job opportunities for women, men, and vulnerable groups through improved employment support services and industry-led training.
- Roll out of work-based learning agreements with firms, career guidance and job info centres across 11 cities.
- +2315 youth trained in +250 companies with 71% getting a job in the firm. Close to 40,000 career guidance beneficiaries, including +6500 hard-to-place youth

**CLIENT:** SDC

**COUNTRY:** Serbia

**PERIOD:** 2016,2028



# We help clients navigate complex decisions – and support their next step towards a better tomorrow

Sustainability is rarely simple. Every project involves dilemmas, trade-offs, and constraints. That's why we guide clients with science-based advice and practical solutions – balancing ambition with reality, and always aiming to reduce impact, strengthen resilience, and create long-term value.

# We have set clear targets

In line with the Science Based Targets initiative (SBTi), we aim to reach **net zero emissions towards 2050**.

SCOPE 1+2  
REDUCTION TARGET

**50%** by 2026

CO<sub>2</sub> neutral by 2030

SCOPE 3  
REDUCTION TARGET

**25%** by 2030

CARBON NET ZERO

**0%** by 2050

*Baseline year: 2022*



# NIRAS by the numbers

# Global presence. Local understanding.

With roots in the Nordics and a strong presence across Europe, Asia, and Africa, we combine global expertise with deep local insight – understanding cultures, regulations, and context to deliver results that work in practice.

With 3,000+ specialists in 62 offices, we can deliver projects across borders while staying close to the needs on the ground.



**3,140**

employees (FTEs)  
worldwide



**~9,000**

Projects per year



**62**

Offices

## Strong presence in Northern Europe

Northern Europe is our strategic stronghold – with a significant presence in Denmark, Sweden, Norway, Germany, the UK, Ireland, the Netherlands, Belgium, and Poland.

Here, we combine close client relationships with deep technical expertise to deliver practical solutions tailored to local needs.



# Nationwide consultancy

With 12 offices across Denmark, we offer truly local presence – close to our clients and the communities we serve.

Whether it's a school renovation, a hospital expansion, or new transport infrastructure, we deliver practical, place-based solutions tailored to Danish needs.



# Our leadership team

Mads Søndergaard  
EVP, Building

Christian Sandberg  
SVP, NIRAS Sweden

Markus Davelid  
EVP, International  
Development  
Consulting

Pernille Blach  
Hansen  
SVP, Environment

Carsten Toft Boesen  
CEO

Thomas B. Olsen  
EVP, Process  
Industry

Theis Tarp  
Rasmussen  
EVP Norway,  
Sweden and  
Infrastructure

Ann-Sofie Østberg  
Bjergby, CFO

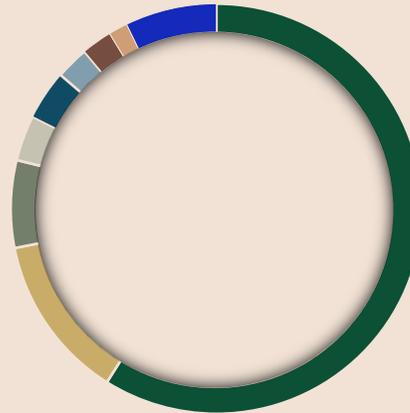
Jens Brandt Bering  
EVP, Utilities and  
Environment  
(CEO as per 1 April)

Christoffer Trulsen  
SVP, Infrastructure



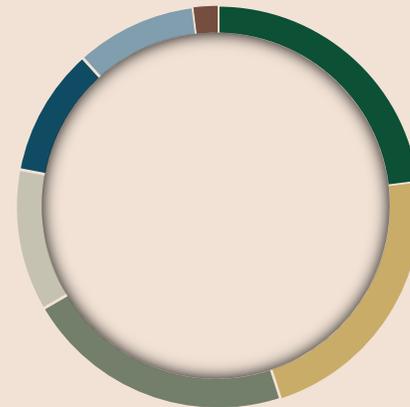
# Resilient, financially strong, and here for the long run

## REVENUE MARKETS



- 59% Denmark
- 13% United Kingdom
- 6.9% Sweden
- 3.6% Germany
- 3.9% Norway
- 2.6% Poland
- 2.4% Finland
- 1.5% Netherlands
- 7.2% Other Countries

## REVENUE SECTORS



- 23% Process Industry
- 22% Development Consulting
- 21.6% Building
- 11.40% Environment, Water and Energy
- 10.3% Infrastructure
- 9.7% Utilities
- 2.0% Informatics



**GROSS REVENUE**  
mEUR **528,5**



**EBITA**  
**5.9%**



**GROWTH**  
**13%**  
Organic growth 6%

# A place to grow and make a difference

We are building a culture where people thrive — with meaningful work, trust, and the freedom to make things happen. The numbers below speak for themselves ...

**89%**  
Employee satisfaction  
*(MTU 2025)*

**#3**  
Most attractive place  
to work among engineering  
consultants in Denmark  
*(Universum 2025)*

**12.4%**  
Employee turnover  
*(2024)*



## Our legacy

# 1912

### FOUNDATION

Birch & Krogboe is founded in 1912, Denmark, by engineers Ludvig Birch and Jacob O. P. Krogboe.



*Engineer Ludvig Birch 1877-1955 (left.)  
and engineer Jacob O. P. Krogboe 1879 -  
1950 (right)*

# 1914

### BUILDING HOSPITALS

Focus was on construction of hospitals. Among others in Vordingborg, Svendborg and Ringe



# 1920 - 1940

### KASTRUP AIRPORT, COPENHAGEN

Involved in the construction and later expansion after Second World War



## Our legacy

# 1920 - 1940 — 1940 - 1960

### MAGASIN DU NORD & DAELLS WAREHOUSE

Iconic historic department stores in Denmark.



### BELLAHØJ HOUSES

Bellahøj houses (Copenhagen's first high-rises)



### COPENHAGEN UNIVERSITY HOSPITAL

Specialising in hospital construction, including Hillerød, Holbæk, Holstebro, Glostrup, Rigshospitalet, Hvidovre

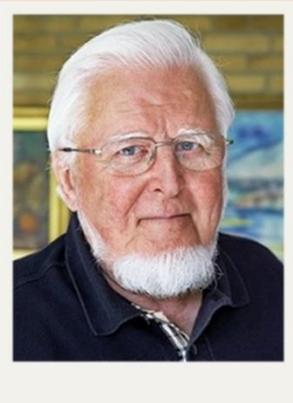


## Our legacy

# 1956

### FOUNDATION

NIRAS is founded in Copenhagen, Denmark, by visionary engineers Jørgen Kristian Nielsen and Konrad Rauschenberger. Their early projects in Greenland laid the foundation for our expertise in resilient and innovative solutions.



*Civil engineer Jørgen Kristian Nielsen 1925-2017 (left.) and Civil engineer Konrad Rauschenberger 1924-2015 (right)*

# 1950s

### WATERWORKS, GREENLAND

In the late 50s waterworks in the majority of the Greenlandic villages



*Jørgen K. Nielsen at Station Nord*

# 1970s

### HOSPITALS, GREENLAND

Planning and design of new hospitals in Narssaq, Sugar Loaf Mountain, Jakobshavn and Scoresbysund as well as total renewal of Queen Ingrid's Hospital in Godthåb



## Our legacy

# 1979

### NATURAL GAS NETWORK

Construction of the Danish natural gas network.



# 1981

### AIRPORT, GREENLAND

Construction of a new airport in Ilulissat in Greenland



*Ilulissat airport*

# 1990s

### BIOGAS PLANTS

Project development, projecting, supervision and commissioning of several biogas plants including the biogas plant in Filskov



## Our legacy

# 1995

### ORESUND LINK RAILWAY

Consulting services for the Oresund Link railway station in Kastrup



# 2002-2011

### CONCERT HOUSE

Concert house of the Danish Broadcasting Corporation



# 2002-2018

### AMAGER BEACH PARK

Project development, projecting, supervision and commissioning of several biogas plants including the biogas plant in Filskov



# Our legacy

## 2017

### THE MERGER

ALECTIA (Birch & Krogboe) merges with NIRAS (Nielsen & Rauschenberg)



## 2018

### LARGE SCALE TUNNEL PROJECT

HOFOR starts large-scale tunnel projects in Copenhagen with NIRAS as consultant



## 2019-2027

### CHILDREN'S HOSPITAL

Advisor on Mary Elizabeth's hospital - children's hospital



## Our legacy

# 2021

### **DRONE OPERATIONS APPROVED UNDER EU REGULATION**

At the end of 2021, NIRAS received approval to fly drones in accordance with the new EU drone rules and is today one of the only operators allowed to fly in the specific category



# 2022

### **THE WORLD'S FIRST CIRCULAR KINDERGARTEN**

A Danish municipality has sanitised and demolished a school to build a new eco-labelled kindergarten built with recycled materials from the old school.



# 2023

### **KONGSVINGERBANEN - HISTORICALLY LARGE RAILWAY PROJECT IN NORWAY**

NIRAS Norway and Bane Nor has in 2023 started an extensive railway renovation project on Kongsvingerbanen valued at more than NOK 60 million.



# Our legacy

## 2024

### AMBITIOUS TIMBER CONSTRUCTION

The Region of Southern Denmark established a 2,800-squaremetre autism centre in Fredericia, constructed as a wooden building and certified with the DGNB Gold sustainability certification. The project was created in close collaboration between Egil Rasmussen a/s, Ginnerup Architecture and NIRAS.



## 2024

### CARBON REDUCTION EFFORTS AT BREWERIES

NIRAS has signed on as one of three partners to HEINEKEN's global integrated Net Zero Programme, i-NZP1. HEINEKEN is the world's most international brewer and the partnership with among others NIRAS is a milestone in its journey to net zero.



## 2025

### STRATEGIC DISTRIBUTION REVIEW FOR ETHICAL MEDICAL SUPPLIER

Faced with increasing demand and evolving sales channels, a leading ethical medical distributor sought to transform its national distribution network. The client's goals were clear: halve the cost per picked item, double throughput over the next decade, and expand direct-to-consumer e-commerce sales.



A group of diverse people, including a woman in the foreground and a man clapping in the background, are smiling and looking towards the left. The scene is set in a bright, modern office environment.

We're proud of  
where we come  
from – and excited  
about where we're  
going

# Thank you