

Danish Big Science Suppliers


BigScience.dk

2023



Foreword

Welcome to the 2023 edition of “Danish Big Science Suppliers” - a catalogue promoting some of the most cutting-edge and interesting Danish companies involved in the Big Science market.

The aim of the Danish Big Science Supplier catalogue is to assist the sales or technical personnel at Big Science facilities, or prime contractors delivering to the Big Science market, to find relevant, competent, and capable Danish companies to fulfil their procurement needs.

We at BigScience.dk would like to thank you for your interest in the Danish Big Science Suppliers and encourage you to reach out to one of us in case you have questions or requests.

Thanks for reading along!



Henrik Bak Jeppesen
Business Manager
BigScience.dk

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The BigScience.dk network

The Danish Big Science network is composed of companies offering high quality services and products matching the needs of Big Science organizations. Their skills and knowhow cover a large range of sectors.

Members of the network are both SMEs and larger companies interested in doing business on the Big Science market, either as suppliers to Big Science facilities or as sub-suppliers to prime contractors. At BigScience.dk, we help Big Science organizations and European companies find Danish suppliers for Big Science bids.

Feel free to contact us to hear more about your opportunities with Danish companies.

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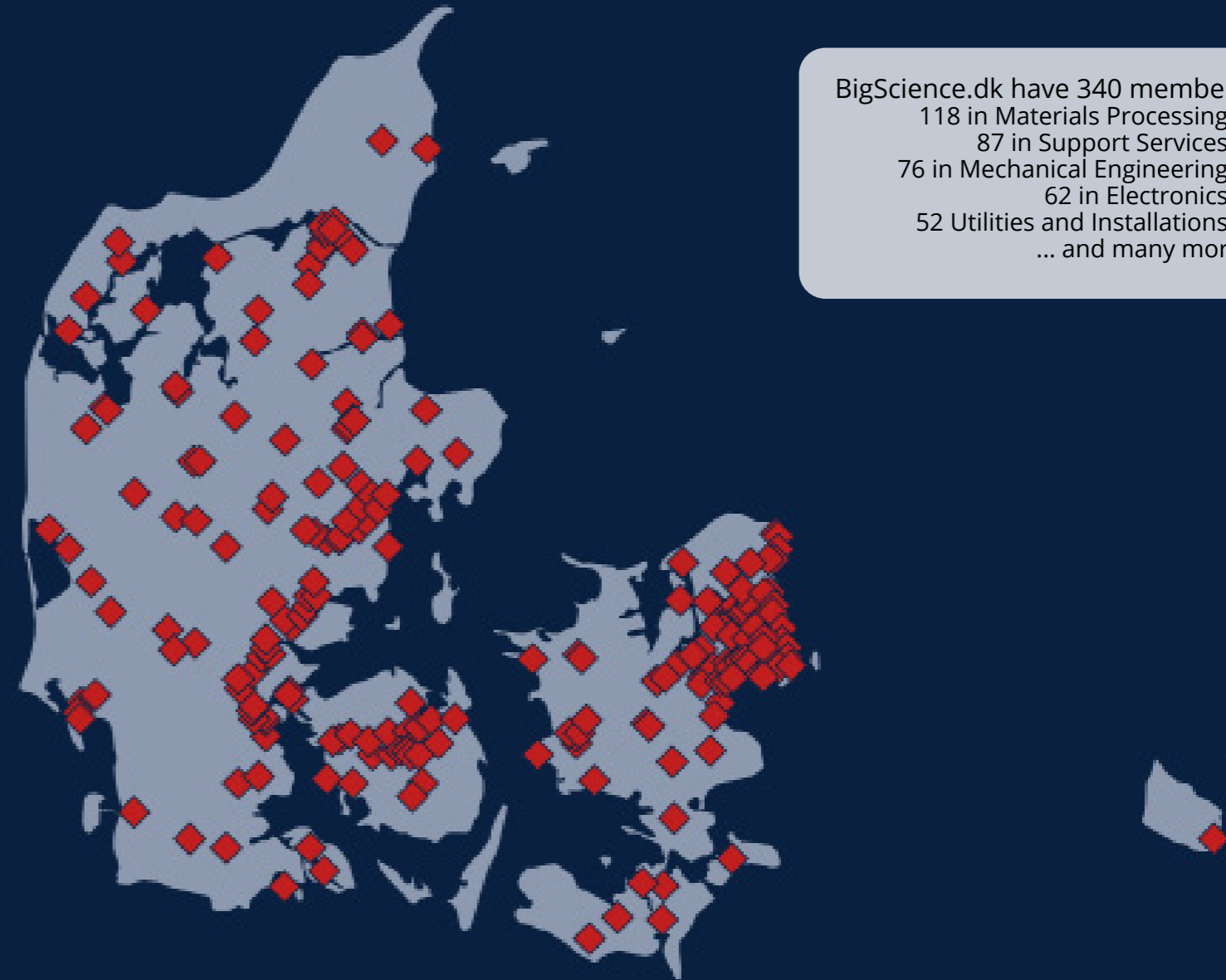


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4 Reason to Choose a Danish Supplier

- 1. Trustworthy and efficient business partners.** Danish companies are well known worldwide for their dependability and professional approach. On-time delivery, customer satisfaction, and high service standards are integral within the Danish business culture.
- 2. Experience from demanding sectors.** Denmark has a large network of highly skilled subcontractors specializing in the development and production of advanced technological products to demanding sectors such as the offshore, wind power, defense, medico, and aerospace industries.
- 3. The Danish Big Science Network.** Denmark has a growing network of companies with outstanding solid experience as suppliers to the Big Science market, and offering products, services and knowledge covering many different areas that are relevant for Big Science facilities.
- 4. Denmark as innovation leader.** Denmark has traditionally, year-after-year, achieved top-10 rankings among leading countries in surveys rating industry and science innovation, IT-advancement, education systems, and more.



BigScience.dk have 340 member:
118 in Materials Processing -
87 in Support Services -
76 in Mechanical Engineering -
62 in Electronics -
52 Utilities and Installations -
... and many more

BigScience+ Members

ATLANT
3D NANOSYSTEMS

**HAMMEL
PLAST**

Blunico 
Your trusted partner

NKT Photonics 

FRECON 
engineering value

 **ULDALL**
maskinfabrik

 **DANFYSIK** **POLYTEKNIK** 
WHEN THIN FILM MATTERS - WWW.POLYTEKNIK.COM

Sub C

...hands on energy®

Big Science

ESO
MAX-IV
European XFEL
science europe accelerator
shielding machining beam line cryogenics magnet
civil engineering fusion
business F4
metal
vacuum
ITER
supplier plastic analysis test high Precision
CERN
service provider mekanisk montage
utilities power supply re

AF Pipe Solutions ApS

Fail safe, don't fail safety

Company Profile

AF Pipe Solutions is focused on safety. Double wall pipes and double wall components provide a secondary barrier to enable safe installations in hazardous areas. AF Pipe Solutions has the relevant products and expertise to deliver fail-safe solutions.

Company size: 7 employees

Core Competencies

AF Pipe Solutions produces components for double wall piping installations (non-vacuum and vacuum), primarily for natural gas and LNG fuelling in the marine industry. To compliment these components, design and analysis is also offered, and pre-fabricated piping spools if required.

AF Pipe Solutions is always happy to develop niche products. A recent development is a novel compact double wall (Safety) heat exchanger for high pressures and high/low temperature.

References

Double wall piping:

- Cruise ships fuel piping (NG, LNG)
- Power stations fuel piping (NG, Fuel Oil)
- Nucelar (Water)
- Hydrogen installations

Double wall heat exchangers:

- TAP Gas pipeline
- Natural gas fuel supply

Industrial Sectors

Marine / Offshore / Energy

Procurement Codes

Vacuum and Cryogenics
Utilities & Installations



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Company Profile

AM tooling is a tool factory which possess a range of small and large tool production machines in house. On top of our tool production, we are specialized in producing machine steel and alu parts for magnets and vacuum equipment. Our strength is accurate parts measuring up to five meters.

Company size: 100 employees

Core Competencies

AM tooling possesses a wide range of competences in house, ranging from know-how of complex CXC machining small and large parts up to five meters in air-conditioned production rooms.

Key competences are:

- 3D measuring and documentation up to five meters
- Grinding up to 6.5 meters
- EDM wire cutting
- Punching quality laminates

References

- Siemens (via Danfysik): Machining big laminated 2.5 meter magnets
- CERN (via Danfysik): Laminates magnets. CNC machining and wire cut Titanium parts
- Maxlab (via Danfysik): Machining compact magnets 4.3 meters with 2000 measuring points
- ALN (via Danfysik): Stel Quadro and di poles
- ESRF (via Danfysik): Laminated magnets

Industrial Sectors

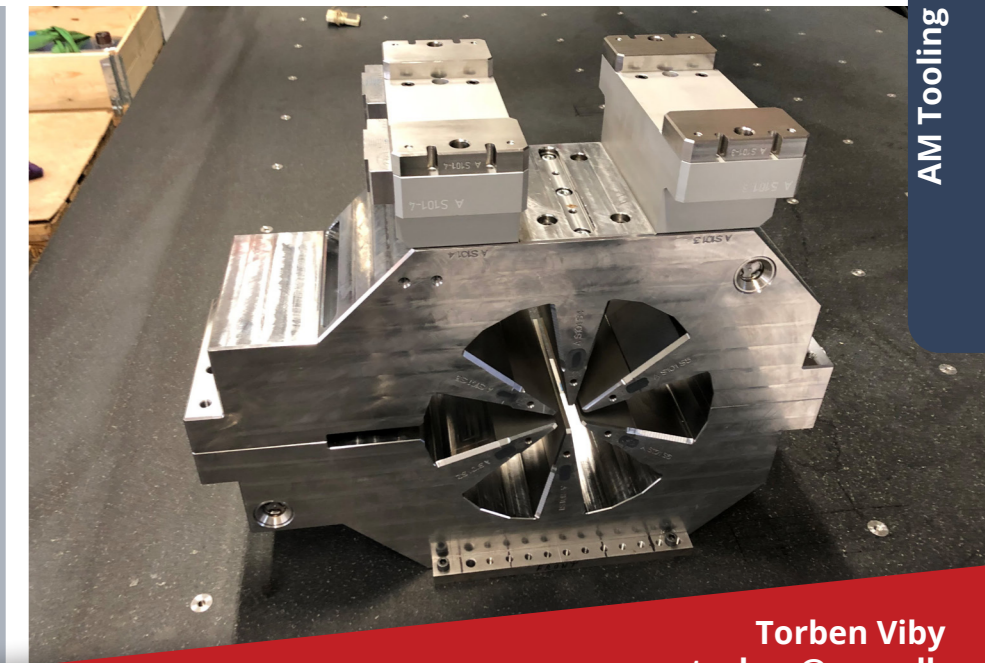
Medico / Maritime / Big Science / Automotive

Procurement Codes

Materials processing
Mechanical engineering

Certifications and Qualifications

Iso 9001



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Artelia Group Denmark

One of Denmark's largest multidisciplinary consulting engineering companies

Company Profile

Artelia Denmark is part of Artelia Group, an international multidisciplinary consultancy, engineering and project management group specialising in the sectors of building construction, infrastructure, water, industry and energy. Artelia Group has offices in more than 40 countries in Europe, Africa, the Middle East, Asia and the Americas and is 100% owned by its managers and employees. The Nordic business unit consists of Artelia Denmark and Olav Olsen.

Company size: 1100+ employees in Denmark and 7000+ employees globally.

Core Competencies

We offer full-service consultancy within the classical engineering disciplines in combination with expertise in several specialist areas. Our competencies are based on solid experience and a high level of professionalism. Together with our customers, we develop future-proof and value-adding solutions. ICT, BIM and digital tools streamline collaboration processes and provide a better basis for decision-making in the early stages. We work with virtual user involvement and collaborate with suppliers and contractors on ready-to-build models.

References

- New upgraded storage facility for radioactive waste (NOL), Risø Denmark.
- DTU Electromagnetic Test Centre, Lyngby Denmark.
- Livsvitenskapsbygget, university and research facility, Oslo Norway..
- Glostrup Pharmacy (production facility), Clean rooms for pharmaceutical production. Glostrup Denmark.
- Accelink (production facility), Clean room ventilation.
- Amager Bakke, Incineration plant, Copenhagen Denmark.

Industrial Sectors

Consultancy /Laboratory /Big Science /Buildings / Pharma /Industrial /Energy /Healthcare etc.

Procurement Codes

Mechanical Engineering/Civil Engineering and Buildings/Electrical Engineering/Utilities & Installations

Certifications and Qualifications

- Iso 9001



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ATLANT 3D Nanosystems

Revolutionizing electronics. Atom by atom.

Company Profile

ATLANT 3D is a Danish deep-tech company founded in 2018 to revolutionize electronics atom by atom. The company is developing a fundamentally different and innovative micro and nanofabrication platform technology that enables atomically precise advanced manufacturing of advanced materials and electronics. ATLANT 3D technology is based on the state-of-the-art DALP™ (Direct Atomic Layer Processing) technology

Company size: 20-30 employees

Core Competencies

ATLANT 3D is a multi-national and interdisciplinary team of engineers and scientists specialized in micro- and nanofabrication, additive manufacturing, and material science.

ATLANT 3D can support:

- **Materials R&D and innovation**
Rapid atomic layer prototyping:
Materials composition, thickness variation, geometry, Process parameters, e.g. temperature.

- **Process and Structures**

Sequential direct deposition to create multilayer structures with different materials and patterns; Faster parameter screening, greatly reducing the time for development of processes and structures with optimized materials

- **Device prototyping**

Rapid microdevice R&D and prototyping; Direct patterning on complex surfaces enabling a new type of lithography-less processing

Procurement Codes

Surface Treatment / Optics, sensors & diagnostics / Consultancy and Services / X-ray optics systems

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3D NANOSYSTEMS



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Blunico A/S

Your trusted partner

Company Profile

Blunico A/S is a flexible and quality-oriented company concentrating solely on contract manufacturing and custom projects. We function as your sparring partner during the initial phase, where the idea is shaped, the design phase and the production phase, during which we handle welding, milling, traditional laser cutting, 3D laser cutting, sheet metalwork at detail level as well as on complete constructions, including any necessary partial or finishing assembly and testing, including vacuum test.

Company size: 50 employees

Core Competencies

It is a part of our philosophy to promote the special and demanding assignments and our staff of very enthusiastic professional people, who know the art of combining good old-fashioned workmanship with the best possible utilization of the newest technology.

References

- CERN
- Danfysik
- Siemens
- Institut for Physics and Astronomy, University of Aarhus

Industrial Sectors

Food / Medico / Maritime / Big Science / etc.

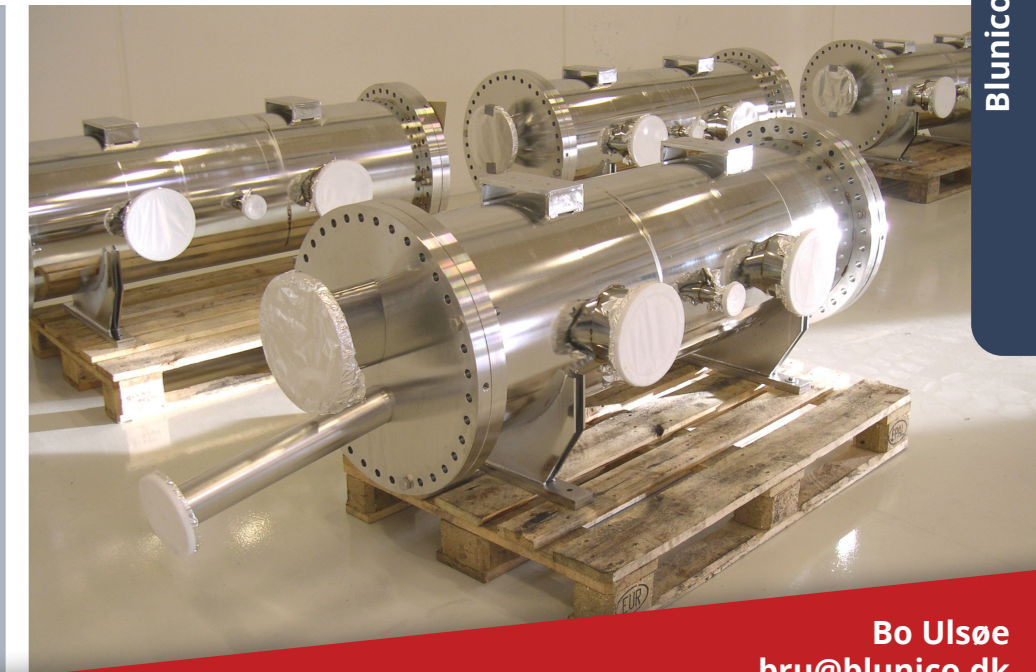
Procurement Codes

Materials processing
Surface Treatment
Vacuum and Cryogenics

Certifications and Qualifications

- ISO 9001 - 2015
- ISO 3834-2:2005

Blunico 
Your trusted partner



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Company Profile

Since 1978 INTERTEC has been represented in France by our subsidiaries B&S International France SAS based in Saint-GenisPouilly, and in Switzerland by Bruun & Sorensen Suisse based in Geneva. For more than 40 years, we have been a subsupplier to CERN to which we deliver technical services in the form of engineering, maintenance and installation services.

Initially, our main involvement with CERN was in the construction of the LEP accelerator installed in a 27-kilometre circumference tunnel, then we entered into a Technical Services Contract that we successfully have renewed every 5-10 years after tendering.

Company size: 120 employees

Core Competencies

- Project management
- Industrialisation of complex assembly works
- Full QA/QC and documentation management
- Procurement of materials and equipment
- Maintenance of electromechanical systems
- Assembly works in cleanroom ISO4
- Leak testing Cofrend LT 2
- Certificate welding TI/SS
- Precision metrology and laser alignment

Industrial Sectors

Big Science

Procurement Codes

Support Services

Certifications and Qualifications

- ISO 9001 v2015

References

1. Industrial-Like Production Contract

CERN: From 2003-2008 we assembled 1250 superconducting cryodipole magnets and 450 superconducting quadripole magnets for the LHC-accelerator. The work was carried out in a 3-company consortium with INTERTEC as main contractor.

CEA: Since 2018 we started assembly of 31 Cryomodules for the future accelerator at ESS. We are the main contractor.

In both cases the scope includes:

- Overall project responsibility (after a period of common training with customer teams)
- Reception and entry control of components from industrial suppliers in Europe
- Mechanical and electrical assembly
- All tests and verifications along the steps of the assembly works (see our competences)

2. Technical Services Contract

Work on components for CERN particle accelerators and high physics experiments. Since 1978, the work has been carried out in a 2-company consortium over 5-10 year periods at the CERN French and Swiss sites and consists of technical construction and maintenance services and assistance in development of new technologies.



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CaeTek ApS

Simulation and AI solutions for a smarter tomorrow!

Company Profile

CaeTek was founded in 2020 with the mission to empower all engineering companies to design, innovate and optimize products and processes.

CaeTek provides the leading software solutions from Altair in the areas of Data Analytics, Simulation and High-performance Computing.

Company size: : 5-10 employees

Core Competencies

With features that combine

- Simulation,
- High-performance Computing (HPC),
- Artificial Intelligence (AI),
- Data Analytics,
- and Internet of Things (IoT) capabilities,

teams can design, build, test, optimize, evaluate what-if scenarios, perform predictive maintenance, and extend the remaining useful life (RUL) of their products-without the need of physical prototypes.

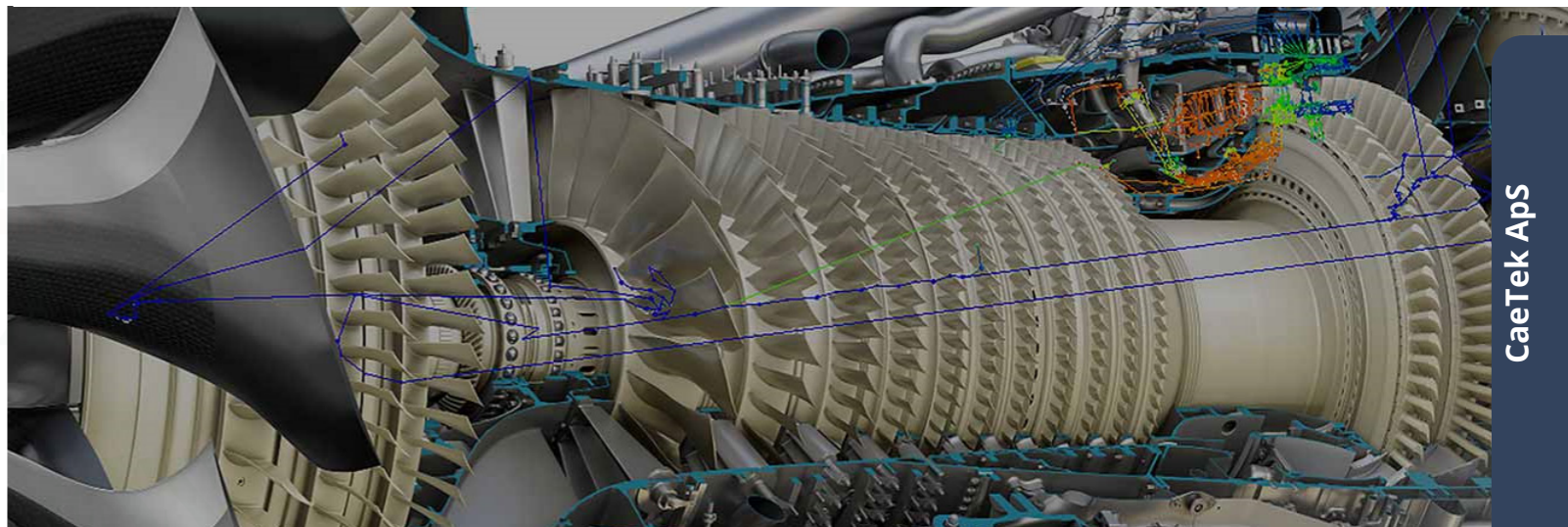
With a strong focus on simulation, CaeTek covers the entire range of physics, including structures, electro-magnetics, thermal and fluid simulation, and more, and provides the best solutions to simulate any physical phenomena that a product design process may require.

Industrial Sectors

Automotive, Aerospace, Civil Engineering, Industrial Goods, Maritime, Medico, Defense, Electronics, Insurance and Financial Services.

Procurement Codes

Mechanical Engineering
Electrical Engineering and Magnets
Electronics and Radio Frequency



Company Profile

Carl Stahl A/S is a leading provider of lifting equipment and solutions for both industrial and commercial sectors. The company offers a wide range of products and services, including chain slings, cranes, hoists, and various lifting gear.

With branches in Taastrup and Fredericia, Carl Stahl A/S is well-positioned to serve customers throughout Denmark. The company places great emphasis on quality, safety, and customer satisfaction, working closely with the Danish Working Environment Authority to ensure that all products and services comply with applicable regulations and standards.

In addition to offering products and solutions for lifting equipment, Carl Stahl A/S also provides service and maintenance at their two workshops. This ensures that customers' lifting gear remains reliable and compliant with the law.

In summary, Carl Stahl A/S is a dependable partner in lifting equipment and solutions, prioritizing quality, safety, and customer satisfaction.

Company size: : 35 employees in Denmark
1900+ worldwide

Core Competencies:

- Expertise in lifting equipment
- Customized solutions
- Service and maintenance
- Quality and safety
- Customer satisfaction
- Wide geographical coverage

Industrial Sectors

Construction, Manufacturing, Oil and Gas, Marine and Offshore, Energy and Utilities, Warehousing and Logistics, Transportation, Mining and Heavy Industry

Procurement Codes

Transport and Vehicles / Support Services


Carl Stahl[®]
BEDST MED LØFTEGREJ
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CCM Electronic Engineering ApS

Your partner in Industrial Process and Quality Control Systems

Company Profile

CCM Electronic Engineering was founded in the beginning of 2006. Since then, we are a trusted partner to over a hundred companies in and outside of Denmark for which we work on many projects each year.

We offer a wide range of engineering and deliver custom turnkey systems. Our mission is "Impress our customers with the best possible solutions for assuring product quality in different industries."

Company size: 17 employees

Core Competencies

As an ISO 9001:2015 certified company, CCM-EE has a group of NI(National Instruments) certified software engineers, and experienced mechanical & electronic engineers ready for various projects.

We are committed to providing complete solutions from consultation, concept, design, development, installation, and support for end-of-line test solutions and laboratory test & measurement systems.

References

- Control system designed for motor test panel in a hydraulic system used in the laboratory, which allows the system to give precise responses according to the changes while reducing overall power consumption (2023)
- Vision system project for detecting cables' profiles in different shapes (2022)
- Specific fixture designed to be operated by a robot for an automated production cell (2021)

Industrial Sectors

Electronic production / Metal part manufacturing machining / Manufacturing process check / Robot guidance systems / Test and Measurement systems

Procurement Codes

Electronics and Radio Frequency / Support Services / IT and Control Systems / Mechanical Engineering

Certifications and Qualifications

- ISO 9001
- NI LabView Architect
- NI LabVIEW Developer
- NI TestStand Developer

CCM | electronic engineering



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CenSec - Center for Defence, Space & Security

We play each other good

Company Profile

CenSec – Center for Defence, Space & Security – is the Danish business cluster for stakeholders within the defence, space, and security industries. CenSec has around 185 members consisting of Danish and international SMEs, larger companies, knowledge institutions and research and technological organisations. Our mission is to develop business networks among small and medium-sized enterprises and knowledge institutions in the defence, space and security industries

Company size: 12 employees / 185+ members

Core Competencies

CenSec's core competency is to bring together our members. We facilitate more than 40 events throughout the year – networking, B2B matchmaking, seminars, and large conferences are some of the events.

CenSec's members collaborate, innovate, and deliver products, services, and knowledge to the value chains of the defence, space, and security sectors.

The members of CenSec, are part of a strong, growing network, and through an international eco-system, CenSec supports our members in building business, including expanding market knowledge, competencies, and education, as well as innovation and growth.

Additionally, CenSec works with prime contractors, system integrators, Ministry of Defense procurement, logistic and repair agencies etc. to identify, develop and recommend appropriate supplier and sub-contractor capability.

Industrial Sectors

Defence / Space / Security

Procurement Codes

Support Services

Certifications and Qualifications

- Gold Cluster Management Excellence

CenSec

CENTER FOR DEFENCE, SPACE & SECURITY



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Company Profile

CHEXS is an X-ray optics company specializing in thin film coating design, thin film coating development and production, X-ray characterization, simulation, modeling and calibration. CHEXS is based at DTU and utilizes, on a rental basis and as required, the state-of-the-art coating and characterization facilities at DTU.

Company size: ~10 employees

Core Competencies

We can deliver a solution based on our customers needs. This can range from a single measurement to a more complex solution combining consultation with simulation, development, characterization and calibration.

We offer a wide range of services:

- Surface morphology characterization providing information on micro-roughness of almost any surface
- Determination of material composition and structure using X-ray characterization tools
- Sample imaging in multiple wavelength such as, X-ray and optical light
- Multilayer coatings for EUV/X-ray applications
- Raytracing of synchrotron beam lines etc.
- Consultancy on EUV/X-ray test setups for beam lines etc.

References

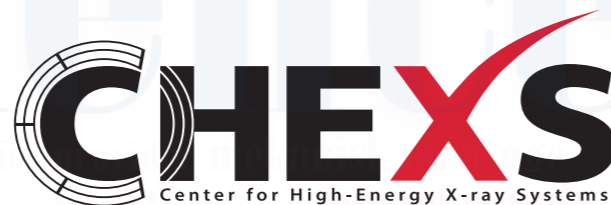
- The development of the mirror for the Athena X-ray mission (2022)
- Graphene coatings for ceramic insulators for CERN injector (2019)
- R&D project with ESS regarding concrete mixtures for radiation areas (2016)

Industrial Sectors

Space / Medico / Synchrotron facilities

Procurement Codes

Optics, sensors & diagnostics
Consultancy and Services
X-ray optics systems



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Company Profile

Together with customers, partners, and colleagues, we shape a future where people and societies grow and flourish. We do that by co-creating sustainable and beautiful solutions that improve the quality of life for people today and many generations ahead. Primarily located in Scandinavia, the UK, North America and India, we currently number 7500 people, who offer our expertise in engineering, architecture, energy and environment.

Company size 7500 employees globally

Core Competencies

COWI is a premier provider within planning, infrastructure, buildings, water, environment, industry, energy, and architecture. We are best known for our work on large infrastructure projects, as well as our capabilities within renewable energy.

With sustainability at the heart of COWI's new vision and strategy, we have a responsibility to accelerate the green transition and provide our clients with innovative and sustainable solutions to the most complex engineering challenges of today.

References

- Service management infrastructure Optimises European Union Satellite Centre Activities (2018)
 - COWI has provided the European Union Satellite Centre (SatCen) in Spain with technical assistance for elaborating a feasibility study and drawing up technical specifications on the development of a service management infrastructure for the Copernicus Service in Support to EU External Action.
- European Spallation Source (ESS), Technical Project Management and Technical Administration (ongoing)
- Project management services for various mega infrastructures projects

Industrial Sectors

Mechanical engineering / Electrical engineering / Tunnel ventilation / Fire life safety / Civil engineering.

Procurement Codes

Mechanical engineering
Utilities & installations
Power supplies
Support services
Civil engineering and buildings

COWI



DANFYSIK

Best in class Magnets and Power converters for accelerators worldwide

Company Profile

DANFYSIK designs, engineers and manufactures magnets and high stability power converters in accelerators research and industry worldwide.

Company size: 80 employees

Core Competencies

Design, engineering and manufacturing of magnetic systems and high stability power converters

References

- Supplies of magnets, magnetic systems for beam lines and power converters for all major Research accelerator facilities worldwide
- ESRF, ANL, CERN, MAXLab, ESS, AAU, INFN, SLAC, BNL, JLab... and many more

Industrial Sectors

Medico / AMS and Semicon

Procurement Codes

Magnets
Power Supplies
Mechanical Engineering
Electrical Engineering and Magnets
Materials processing

Certifications and Qualifications

- ISO 9001



Company Profile

Develco is a Technology Development Partner and has worked as an external co-operation partner with development of technological product solutions and managed electronics production for Start Ups and established companies for +30 years. Since 2021 Develco has been an independent company in the Trifork Group with +1,000 employees.

Company size: +25 employees

Core Competencies

Develco's core competences are technology services within Proof of Concept, Product Development, Production Management, and Complete End-to-End IoT Solutions. We develop technological product solutions with Electronics, Embedded Software, Wireless Communication, and Internet of Things IoT.

References

- BEUMER GROUP Electronic Control Unit for Sorting Systems
- Grundfos MI 301 Wireless Remote Control for Grundfos Pumps
- CelVivo High-Tech Incubator Clinostar™ for Functional 3D Cell Culture

Industrial Sectors

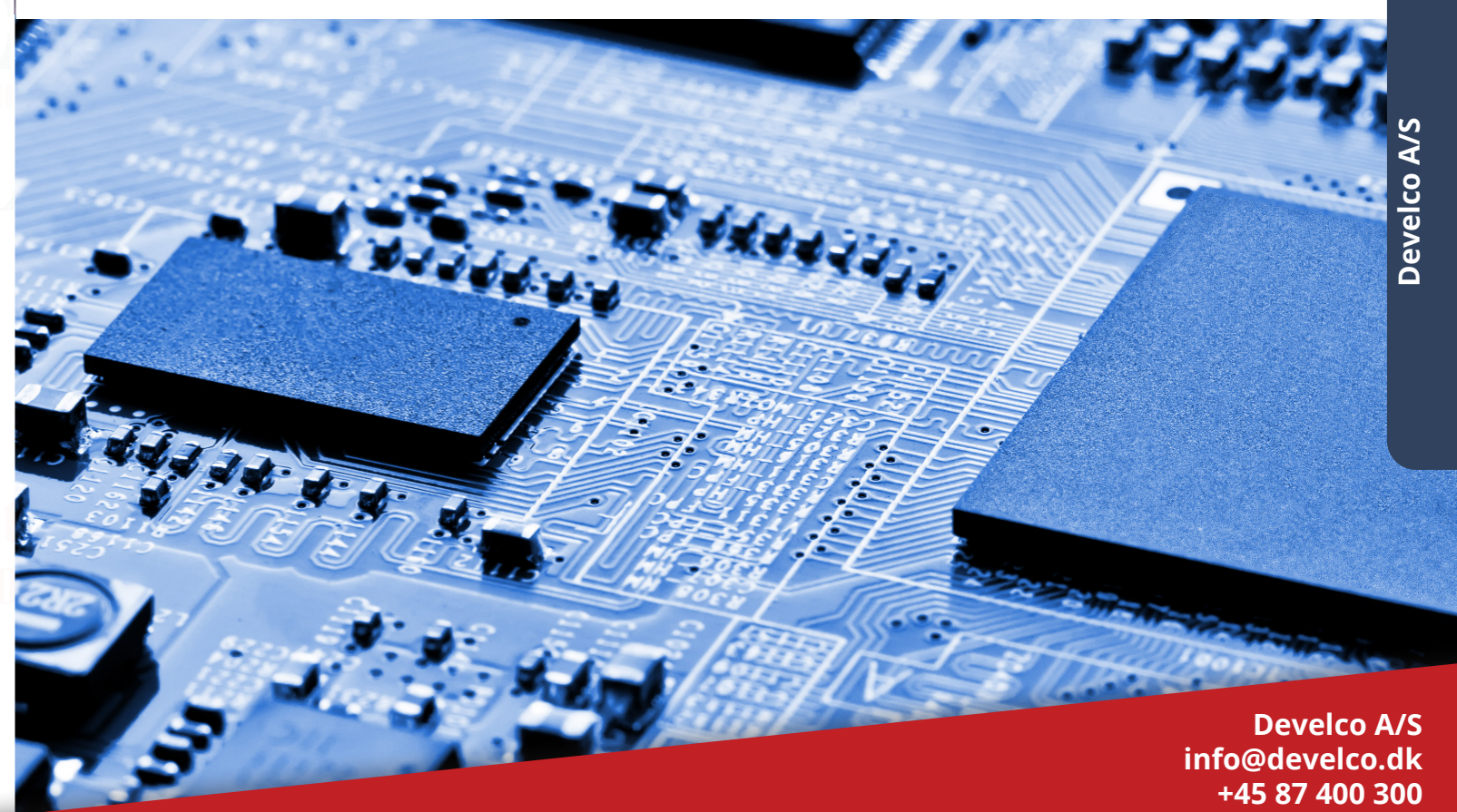
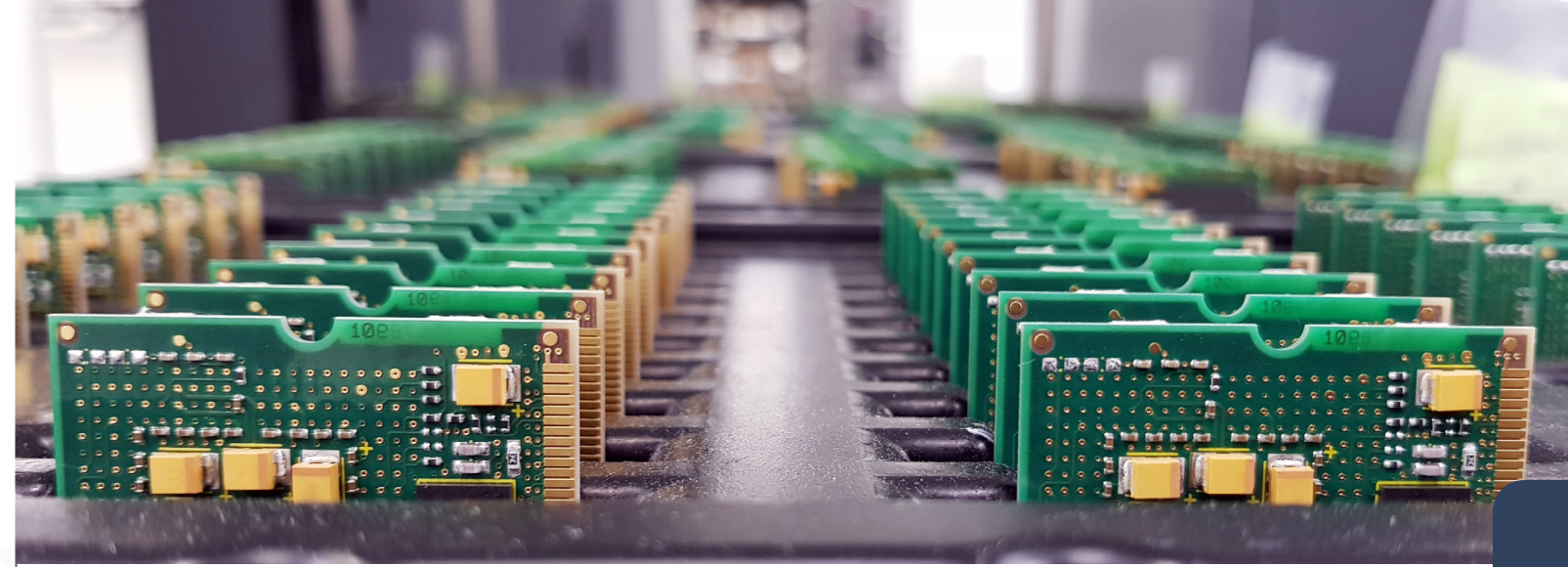
Industrial Machines, Medico, Maritime, Big Science, Automotive, Smart Home, Smart City, Smart Farming etc.

Procurement Codes

Electronics and Radio Frequency, Electrical Engineering and Magnets, Power Supplies, IT and Control Systems

Certifications and Qualifications

- ISO 9001:2015



Elektro-Isola A/S

Dedication in Composites

Company Profile

Since 1921, Elektro-Isola A/S has been developing, producing and refining some of the best composite materials in the world.

Today, our components make up a crucial part of the machinery in wind turbines, transformers, body scanners, the aviation and space industry, particle accelerators, e-mobility and other high-tech functions in global society.

Company size: 150 employees

Core Competencies

With more than 100 years' experience from developing, producing and machining electrotechnical and mechanical composite for customized components, we are your dedicated partner within specialized composite solutions.

We have the entire supply chain in-house including R&D/development, material production, machining and quality testing and assurance.

Here at our family-owned factory in Vejle, we are more than 150 specialized and experienced employees, and every year we deliver outstanding solutions to a large number of extremely satisfied customers.

So we know what we are doing. We know how products and processes can be optimized. And we know that dedication is the basis for a perfect result.

Industrial Sectors

Wind / Transformers / Big Science / Hydraulic / E-mobility / Medical Devices / Defence / Transport / Mechanical Applications /Electrotechnical Applications

Procurement Codes

Electrical Engineering and Magnets
Mechanical Engineering
Power Supplies
Materials Processing
Transport and Vehicles
Vacuum and Cryogenics
Electronics and Radio Frequency

Certifications and Qualifications

- ISO 9001
- ISO 14001
- The Science Based Targets initiative (SBTi): >50% CO2 reduction commitment by 2030



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Dedication in Composites



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Company Profile

European House of Quality offers both consultancy and the Sherlock Web Software for Quality Management, Environmental Management, Occupational Health and Safety Management.

Company size: 10 employees

Core Competencies

Sherlock Web allows you to establish a truly Integrated Management System. Our consultants have guided many companies towards successful certification / accreditation (ISO 9001, ISO 14001, ISO 45001, AS 9100, ISO 13485, ISO 17020, ISO 17025)

References

- Utility companies
- Food companies
- Metal, Plastic, Rubber and Wood manufacturing companies
- Service companies
- Surface treatment companies
- Oil Refinery companies
- Pharmaceutical Industry companies

Industrial Sectors

Maritime / Wind / Energy / Big Science

Procurement Codes

Support Services



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Company Profile

FRECON A/S is a well-established and dynamic consultancy within mechanical engineering. We create innovative mechanical designs – from large, complex industrial equipment to small mechanical tools and components. The FRECON team is essential to us. Behind each consultant is a team of technical specialists, who excel in complementing and helping each other. Professionalism and quality are key to us.

Company size: 40 employees

Core Competencies

FRECON offers a wide range of expertise within mechanical design, calculation, and simulation. We deliver consulting as well as project services. We develop and optimize your concepts and designs, make prototypes, simulations, analysis and calculations, and technical documentation. Our mechanical designs are first-rate, which means you get simple, precise solutions that make a positive difference in large segments of your value chain. We focus on making sure that your products are not just aesthetic, functional, and effective, we also ensure that they are as cost-optimized in relation to both production and handling as possible.

Procurement Codes

Mechanical Engineering

Certifications and Qualifications

- ISO 9001

References

- Supplier of contingent labor to Ørsted (2022-23)
- Strong collaboration with BLAEST on approx. 1,000 tons heavy blade test rig for wind turbine blades (2022)
- Advisor for SeaTwirl's unique floating vertical-axis wind turbine (2021)
- CFD simulation of thermal cooling of exhaust gas for marine vessel for Pipecon (2021)
- Member of the Sustainable Industry Alliance under Trade Council California (2020-22)
- Collaboration with the Danish Industry Foundation with aim of innovation and strengthening Danish SMEs through the Covid crisis (2020)
- Supplier of mechanical design competencies to carbon-negative SkyClean by Stiesdal (2020)
- CFD simulations of optimal cleanability in valve design for food and beverage supplier Hydract (2020)
- For more than 20 years supplier to Vestas Wind Systems innovation and R&D efforts

Industrial Sectors

Renewable Energy / Industrial Process Equipment / Food Processing / Metal and Machine / Medico / Healthcare / Offshore/Marine/Oil & Gas/ Big Science

FRECON

engineering value



Hammel Plast

Your Partner for intelligent and sustainable plastic solutions

Company Profile

With a broad knowledge, creativity, and experience with high quality components, Hammel Plast combines processes and theories to produce complex products in plastic and metals. We provide excellent flexible solutions, advise and support from design stage. Family owned, more than 30 years in the industry, new and modern production facilities from 2018.

Company size: 11 employees

Core Competencies

Hammel Plast is a one-stop partner for developing plastic components. Hammel Plast possesses broad knowledge of high-performance polymers within the types of Crystalline, Semi-crystalline, and Amorphous materials. We can apply material reinforcement with glass, natural fiber, carbon fiber and metal compounds as Tungsten.

References

- POM components to CERN
- PVDF components obtained by Injection molding and milling to CERN
- Transportation lead containers for radiopharmaceuticals, several customers in the private medical sector (Produced since 2011)

Industrial Sectors

Medico / Electronics / Industrial / Big Science / Agricultural / Packaging

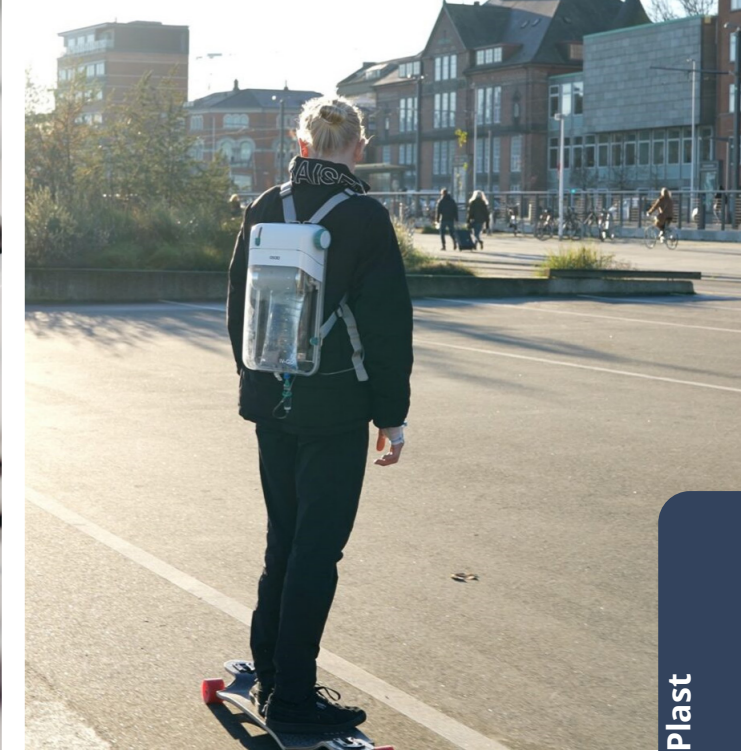
Procurement Codes

Plastic products
Mechanical Engineering and raw materials
Fabrication technologies
Fabrication techniques for non-metals and metals
Plastic products

Certifications and Qualifications

- ISO 9001

HAMMEL PLAST



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Frankrigsvej 20, 8450 Hammel, Denmark

Hindsbo Magneter ApS

Attractive technology.

Company Profile

Established in 1982, Hindsbo Magneter designs and manufactures innovative solutions and magnetic materials. Thanks to its expertise in this rapidly evolving field, Hindsbo Magneter has already satisfied more than 5000 customers around the world.

With its experience in the field of magnetic solutions, Hindsbo Magneter raised its know-how to the level of expertise. Hindsbo Magneter's responsiveness and involvement in all your projects has made the difference for now more than 40 years.

It is also through the quality of its solutions and products that Hindsbo Magneter established itself as your preferred one-stop shop for all types of magnetic systems and materials.

Company size: 10 employees

Core Competencies

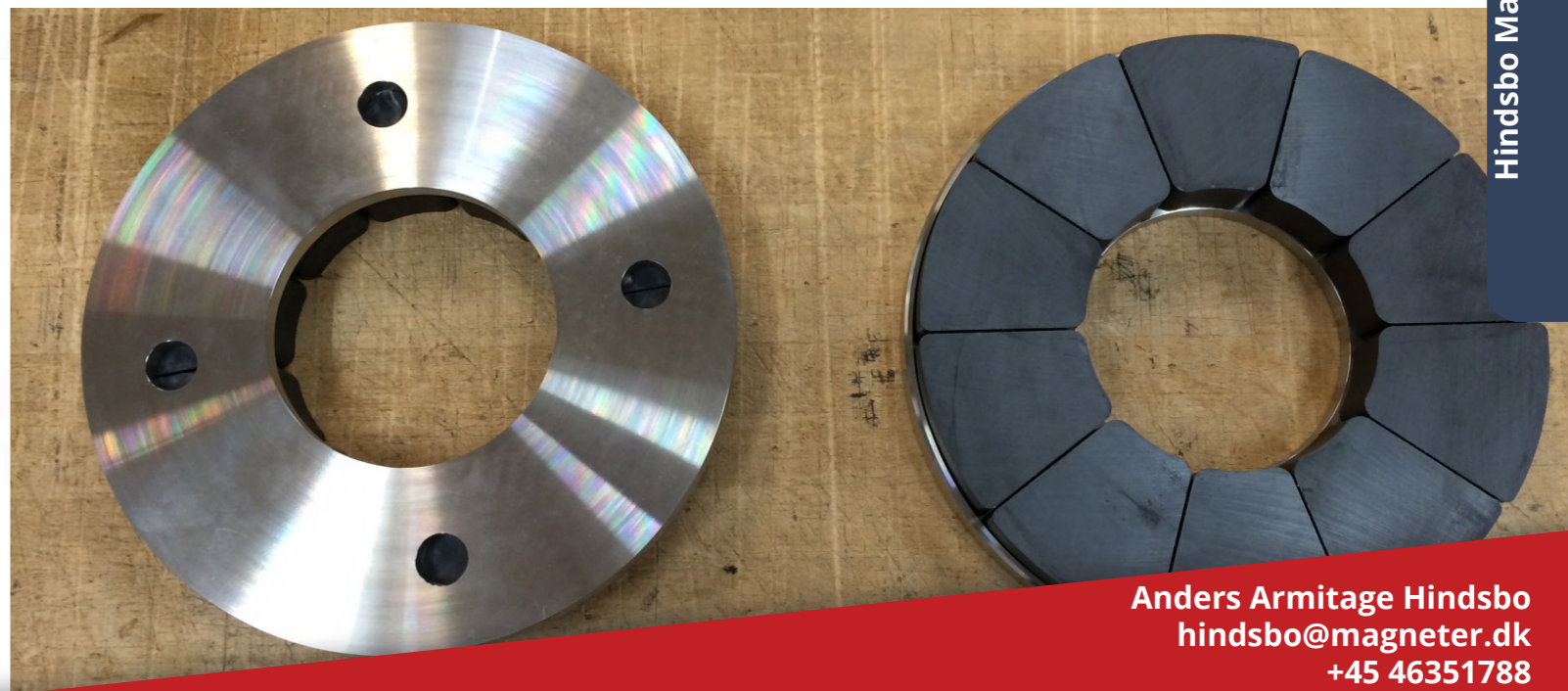
Our products include all types of permanent magnets (ferrite, neodymium, samarium cobalt and alnico) and assemblies, flexible materials (flexible magnetic sheets and rolls, ferrous and magnetic paper, etc.), systems for industrial applications (separation, filtration, recycling, etc..) and magnetic accessories of all kinds (door hangers, magnetic shelf hanger, magnetic door stop magnet, ceiling magnets, etc.).

Industrial Sectors

Medico / Maritime / Big Science/ Wind / Agriculture / Logistic / Production line / Construction / Detection / Climate / Retail etc.

Procurement Codes

Electrical Engineering and Magnets / Utilities & Installations Support Services / Surface Treatment / Materials processing / Mechanical Engineering /





BigScience.dk

**Connecting you
to the Danish
Big Science
industry**

Company Profile

Born in Scandinavia, but with a global reach, we bring a Scandinavian attitude to teamwork and consulting. We do not deliver a report but embed ourselves in the organisation, dissolving the boundaries between clients and consultants. We collaborate with the aim that each project can continue and make a sustainable impact even when the consultants leave.

We are committed to:

- Helping organisations and people realise their most important visions.
- Leaving organisations in a better place – fitter for humans and fitter for the future.
- Making real change and real impact.
- Being pioneers in making real organisational transformation happen

Company size: 1200 employees. Offices in Denmark, Sweden, Norway, Germany, Switzerland and USA.

Core Competencies

We help organisations and foundations within Scientific Research and Development, Complex Technical Projects, Portfolios and Programmes, Test Facilities and alike when it comes to:

- Strategy and Transformation
- Operations and Efficiency
- Digitalisation and IT
- Leadership and Change
- Growth and Innovation

References

- Technical University of Denmark: Strategy and Organisations Design
- Airbus: Senior Management Development
- VTT Technical Research Centre of Finland: Decarbonization Study
- Novo Nordisk Center for Biosustainability: New management structure
- KTH Royal Institute of Technology: Funding of the Energy Research Center

Industrial Sectors

Research and Development / Technical Universities / Big Science / Large and complex technical manufacturing companies

Procurement Codes

Support Services / IT and Control systems / Others

Certifications and Qualifications

- ISO 9001 Pending

IMPLEMENT

CONSULTING GROUP_



Support Services

Implement

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Company Profile

Established in 1956, IPU is an elite team of international specialists that helps leading tech companies develop advanced product- and process technology through unique expertise, approach, and resources.

IPU mainly service the big science, pharmaceutical, energy, transport and industrial sectors within sustainable product and technology development, technology discovery, feasibility studies, prototyping, proof of concepts, concept development and quality investigations, by applying our specialist competences within materials characterization, modelling, testing and process development, that leverages on our strong academic network

Company size: 40+ employees

Core Competencies

- Advanced Materials and Surfaces
Material selection, surface treatment and functionalization, material degradation, corrosion and wear protection
Very broad range of materials and surface characterization and testing techniques
- Modelling of Physical Systems
Digital models of physical systems, digital twins, CFD, data analysis, decision algorithms and visual pattern recognition
- Product- and Process technology development
QFD, controlled requirement specification, multi physics simulation, sustainable development and ECodeign.
- Thermodynamic and Energy Technology
Analysis of thermodynamic and heat transfer processes and their components. Optimizing system performance and efficiency, software development and simulation models.

- Autonomous Systems and Robotics
non-standard robotics and autonomous systems, combining development of software, mechanics and control systems.

References

- ESO ELT M1 mirror segments (2016-2017)
- Development of wet chemical stripping process, validation of process and conceptual design for equipment, process and waste handling, considering environmental aspects for ELT site.
- ESO ELT (2020-21)
- Process robustness studies related to mirror stripping process and equipment.
- TMT International Observatory (2022-2023)
Efficacy testing, development of mirror stripping process, waste handling process and environmental assessment related to stripping of mirror segments.

Industrial Sectors

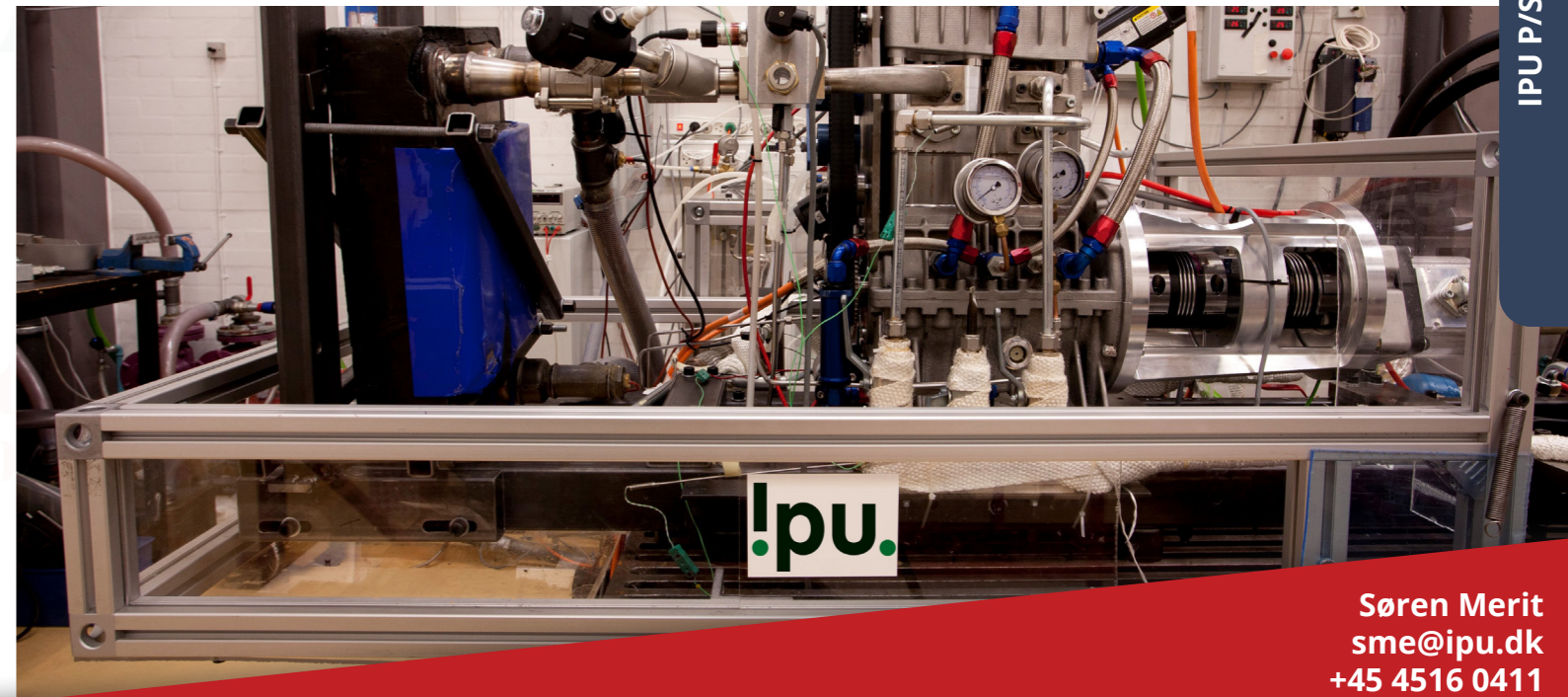
Medico / Thermal Energy-Refrigeration engineering / Maritime and Offshore / Big Science / Process Engineering / Mechanical Engineering

Procurement Codes

Surface Treatment / Support Services / Materials processing / Mechanical Engineering / Others

Certifications and Qualifications

- ISO 14001



Company Profile

Jægerspris Finmekanisk is a family-owned business that has been engineering and manufacturing small precision mechanic components for more than 50 years. Our focus is mainly on the needs of medico, electronic, and offshore clients.

We are a dedicated team, all vastly experienced and with an invigorating diversity. We are proud of our unique and strong working environment that creates a high level of professionalism and ensures that we solve all our tasks with finesse, flexibility, and skill throughout the process.

Company size: 19 employees

Core Competencies

We take charge of the entire process and provide:

- Preparing the construction data for production
- Climate controlled precision measurement
- Metal cutting and grinding.
- Laser welding and laser engraving
- Surface- and heat treatment
- Swirl milling
- Turning assignments in dimensions smaller than $\varnothing 1.00$ mm
- Assembly and completion of production lines from 1 to 500.000 units p.a.
- • Certifiable material management for all material
- • Process management and control according to ISO 9001:2015 standards
-



References

- Supply of "SEM GRID MU42" for CERN (2019)

Industrial Sectors

Medico / Offshore / Electronic / Big Science

Procurement Codes

Materials processing / Mechanical Engineering

Certifications and Qualifications

- ISO 9001:2015



Kanda

Virtual Training Platform

Company Profile

Kanda is a software company based in Aarhus that developed a virtual training platform to provide a professional virtual space for maritime, wind industry, and healthcare.

Through leveraging virtual reality, realistic 3D models, and a collaborative online training platform, Kanda aims to make corporate training more engaging, accessible, and fun to enable employees to learn at their own pace in an intuitive manner.

Company size: 30+ employees

Core Competencies

Kanda creates digital simulations and certifiable VR courses that are easy to access, highly affordable, and provided on a flexible subscription model.

As new technologies can contribute to solve some of the critical challenges we are facing on a global scale, in every corner of the world. Kanda collaborates with industry leaders in the maritime, renewable energy, and health sector in order to contribute to a green transition in complex industries.

References

- Certified GWO training course
DNV has approved the first 100% digital GWO course. This digital simulator of the wind turbine tower allows trainees to complete the Lift User course.
- Siemens Gamesa

- Eastern Pacific Shipping: LNG bunkering
Developed a digital simulator of the entire LNG bunkering procedure, where seafarers can refresh their knowledge and train the dangerous procedures without traveling.
- Teekay Tankers

Industrial Sectors

Energy / Wind / Maritime / Medical

Procurement Codes

IT and Control Systems / Support Services / Others

Certifications and Qualifications

- SO 9001
- DNV approved digital delivery of GWO lift user course using virtual reality technology (assessment statement)
- Lloyd's Register Approved Training Provider (marine and offshore training services)



Mark & Wedell A/S

Specialist in Optimised Superconducting Current Leads

Company Profile

Mark & Wedell is a global oriented engineering company with competences within mechanical and electrical engineering. We have our own metalworking and machining facilities and serves customers within the Big Science, Mining, Recycling and Pharma industries.

Company size: 35 employees

Core Competencies

At Mark & Wedell, we pursue the strategy to deliver optimized Superconducting Current Leads for the Big Science market, with the vision of one day deliver Current Leads to commercial applications such as electric superconducting motors, power cables, Data centres etc. Our Big Science customers include companies such as CERN, GSI, CEA, ASG, Elytt and many other facilities.

Additionally, we offer low volumes of precision metal fabrication work to Big Science customers.

References

- Jigs & Joints Collimators for UAP4, CERN (2022)
- 3 pole Current Lead (2 x 1.500 A + 1x 600 A), INFN Catania (2021)
- HTS CL for Quadropole (IHEP), GSI (2021)
- MQ / MQYY magnets for HiLumi., CEA, (2019)
- And many other

Industrial Sectors

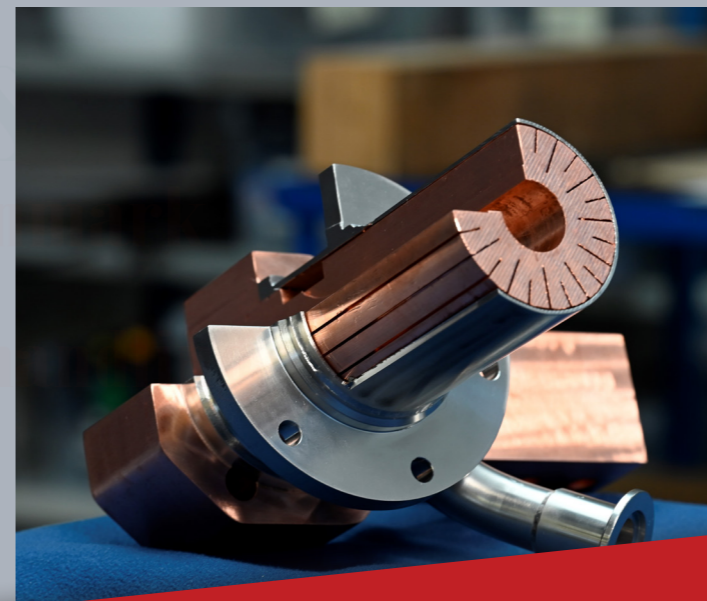
Big Science / Power / Mining / Pharma

Procurement Codes

Vacuum and Cryogenics
Mechanical Engineering
Materials processing

Certifications and Qualifications

- ISO 9001



Vacuum and Cryogenics

Mark & Wedell A/S

MC Uldall Maskinfabrik A/S

The benefits of Precision

Company Profile

MC Uldall is a machine shop, working as a supplier of machine parts in metal and plastic. We consider ourselves to be a high-end manufacturer and we are not afraid to accept a new challenge.

Company size: 50 employees

Core Competencies

MC Uldall possesses a number of multi axis turning/milling centers, where we handle parts up to Ø750 L=5000 for turned parts and 1100x3600 for milled parts. We are capable of welding in most metals. We run a department for grinding and polishing and we can hone tubes Ø 300 L=3000.

References

- Titanium anodes for power to X.
- Tube heat exchanger in 100% pure nickel.
- Positive pumps for the food industry.
- Serial and single parts production.

Industrial Sectors

Medico / Food / Big Science / etc

Procurement Codes

Materials Processing
Plastic products and processing
Special material
Surface coating

Certifications and Qualifications

- ISO 9001



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Company Profile

NKT Photonics A/S is a manufacturer of specialty photonics equipment including supercontinuum light sources, single-frequency lasers, solid-state and fiber ultrafast lasers, and specialty fiber for amplification, guidance, and nonlinear optics.

Our headquarters are located in Birkerød, Denmark, and other manufacturing sites are in the UK, Switzerland, and Boston, USA.

Company size: 400 employees

Core Competencies

NKT Photonics has a focus on deep innovation in photonics, with >150 staff working in R&D and over 20% of its revenue allocated to R&D.

With a wide product range, NKT Photonics has core competencies in nonlinear optics, optical amplifier development, fiber Bragg grating writing, manufacture of specialty optical fiber, and mode-locked laser development.

Additionally, NKT also has extensive experience in externally funded research activities, (see References).

References

- SEQUOIA - <https://sequoia-project.eu/>
- Quartet - <https://quartet.york.ac.uk/>
- CryptQ - <https://cryptq.dtu.dk/>
- TRIAGE - <https://triage-project.info/>
- Max-Fresh - <https://www.catalyze-group.com/case/max-fresh/>

Industrial Sectors

Semicon / Quantum / Remote Sensing / Medical & Life Science / Aerospace & Defense

Procurement Codes

Optics sensors & diagnostics / Materials processing / Electronics and Radio Frequency

Certifications and Qualifications

- Globally: ISO9001
- CH-site: ISO13485



NORDIC ApS

Supported by technicians

Company Profile

NORDIC ApS is your supplier of quality products to industry. We sell, service and advise on products from well-known brands.

The characteristic of the manufacturers we represent is quality, stability and that they are market leaders in their field.

We never compromise and as a customer you are guaranteed the best quality!

Company size: 10+ employees

Core Competencies

BRANDS at NORDIC ApS:

- HEIDENHAIN (Measuring systems, CNC controls, touch probes etc.)
- SIEMENS (Servo drives, motors, CNC controls, PLC, HMI and more)
- ETEL (Torque & linear motors)
- NUMERIK JENA (Linear and angle measurement systems)
- RSF Electronics (Linear and angle measurement systems and cable systems)
- IMT (Microstructured optical coatings)
- AMO (Linear and angle measurement systems)
- ACU-RITE (Measuring systems, CNC controls, touch probes etc.)
- RENCO (Compact encoders)
- ROTOCLEAR (Spinning windows & revolutionary camera systems)
- NORDICled (LED machine lamps for use with for example machine tools)
- NORDICstyli (Styli used for 3D probes from among others Heidenhain, Renishaw & Hexagon M&H)
- NORDICfilter (Filter cartridges, motor filters, filter fleece & cabinet filters)
- Digi-Pas (Precision digital levels & angle-measurement equipment)

References

- Grundfos
- MAN Energy Solutions
- Terma
- Tresu
- Danfoss
- DMG MORI

Industrial Sectors

Metrology / Industry / Machine Tools (CNC) / Automation / Electronics / Robotics / Structural health monitoring / Wind energy / Medico / Maritime / Printing / 3D Printing

Procurement Codes

Optics, sensors & diagnostics / Others

nordic 

- supported by technicians



Company Profile

ODU connectors ensure a reliable transmission of power, signals, data and media for demanding applications, including military and security, medical technology, test and measurement, industrial electronics, and automotive.

The ODU Group is one of the world's leading suppliers of connector systems, employing 2,600 people around the world. In addition to the headquarters in Mühlendorf am Inn, Germany, ODU has international distribution and production sites in Romania, Shanghai/China, and Mexico. ODU sells its products globally via 14 sales offices in Asia, US, and Europe, as well as through numerous international partners.

Company size: 2600 employees

Core Competencies

Development, design, production, test and sale of high-end connectors, cable assemblies and electrical contacts. Customer-specific solutions make out a large part of the customer projects.

ODU has ensured a high vertical integration, especially in the German production. Thus, the in-house production capabilities includes machine tooling and special machine construction, injection, stamping, turning and plating facilities as well as assembly of cables, and other parts.

References

ODU has supplied solutions for several BigScience projects. However, the projects are confidential (NDA signed). Please see other types of cases in ODU's customer journal "The Connector".

Industrial Sectors

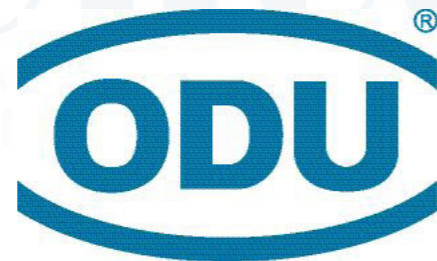
Defence & Security technology / Industrial electronics / Test & measurement / Medical

Procurement Codes

Electronics and Radio Frequency
Electrical Engineering and Magnets

Certifications and Qualifications

- ISO 9001
- ISO13485
- ISO14001
- ISO50001
- REACH Declaration Regulation (EG) Nr. 1907/2006
- RoHS 2011/65/EU und (EU) 2015/863 Declaration Of Conformity
- UL Certification ECBT2.E110586 and ECBT8.E110586
- VDE ECS/CIG 021 - 024 Certification
- IATF16949



Company Profile

Polyteknik AS is a dedicated coating service provider with extensive knowledge of coating and substrate materials. We can handle your request from early development phase, and transition into full-scale production with quality control measures. We have multiple PVD systems in order to handle different sizes and geometry of samples.

Since the company's foundation, Polyteknik AS has been working together with science facilities and tech firms, and the company has developed a clear vision of how to succeed with these projects. This involves tight project management, which focuses on communication with the customer. With an experienced team, Polyteknik AS is the ideal partner.

Company size: +35 employees

Core Competencies

- The core competence of Polyteknik is thin film coating done by PVD technology. Polyteknik can offer a wide range of thin film coating solutions as:
- Reflective coatings
- Internal coating of tubes
- Absorber coatings
- Antenna/waveguide coating
- Conductive coatings
- Roll to Roll coating
- Other Functional Coatings
 - EMI shielding
 - Insulating and corrosion resistant coatings
 - Semiconductor coatings

References

- Coating of Kicker chambers with Ti for CERN, ESRF, Max IV, Alba, DLS, and other accelerator facilities
- Coating of ceramic chambers with Cr2O3 for low secondary electron yield for CERN (ongoing)
- Rhodium coating of mirrors for ITER (ongoing)
- Mirror cleaning project for ITER
- Absorber coating with 98% absorbance developed for CERN (2020)

Industrial Sectors

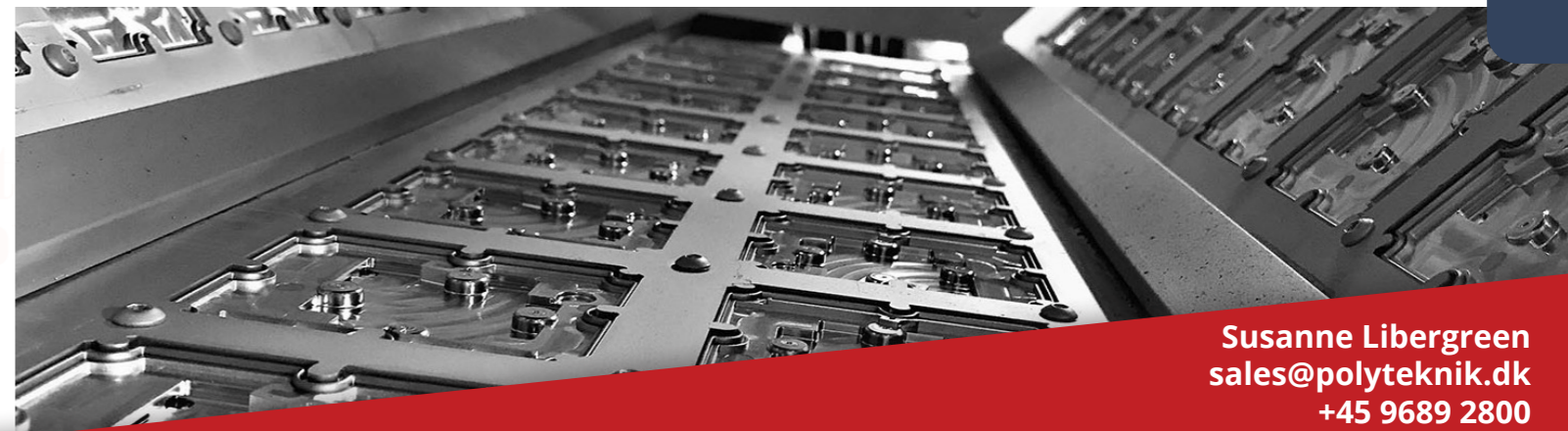
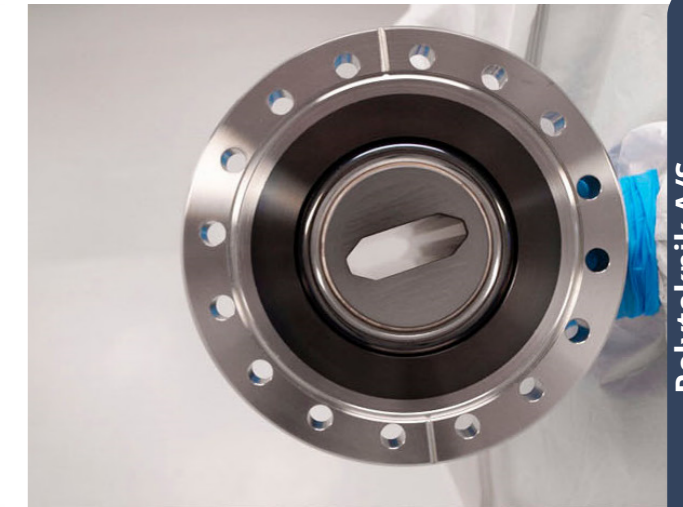
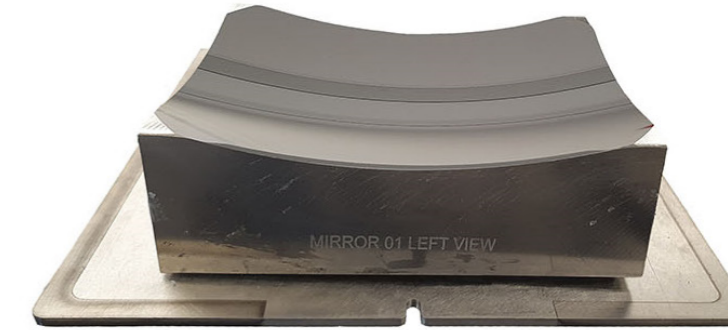
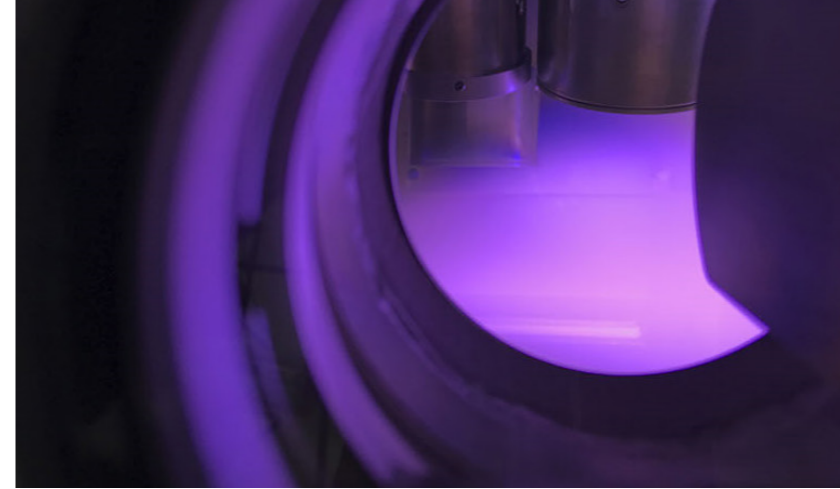
Electronic Industry / Mechatronic / Medico / Big Science / Defence

Procurement Codes

Surface Treatment
Mechanical Engineering
Vacuum and Cryogenics

Certifications and Qualifications

- ISO 9001



Company Profile

We solve problems. Some might say we do it by using sophisticated technical solutions. They might not be wrong, but the most important success factor is probably our curiosity. Our unique ability to discover potential by simply looking at things from a different point of view.

Company size: Nearly 1000 employees in Sweden, Norway, and Denmark.

Core Competencies

Prevas works as a partner by which we enter a collaboration with our costumers to tailor the best solution to their challenges.

We've solved extremely challenging problems since we started in 1985, with focus on optimal efficiency and adaptability combined with greater sustainability. We strongly believe that technology is crucial to solving our common societal challenges – Ingenuity will save the world.

References

Our deliveries within Big Science are limited for now, but we do have competencies to be present within this field.

- Force Technology – Ultrasonic scanner with a high number of ultrasonic elements, that can scan vast volumes quickly and show them in real time.
- Brüel & Kjær Vibro – Third generation of their system for remote monitoring and diagnostics of rotating machines.
- OHB Sweden AB – Specialist knowledge in developing, testing, and operating satellites for different types of space-related assignments.

Industrial Sectors

Medico / Energy / Big Science / Mechanical Engineering / Electronics / Industrial / Pharma / Defence / Space

Procurement Codes

IT & Control Systems
Mechanical Engineering
Electronics and Radio Frequency

Certifications and Qualifications

- ISO 9001
- ISO 13485



Ringsted Maskinfabrik

Precision in motion, CNC solution for a better tomorrow

Company Profile

Ringsted Maskinfabrik is a Danish manufacturing company that has been producing customized machine parts and equipment for over 20 years. Company has grown to become a provider of industrial solutions for a wide range of industries, including agriculture, food processing, and energy. With a commitment to innovation, quality, and customer service, Ringsted Maskinfabrik has earned a reputation as a trusted partner for businesses looking to optimize their operations.

One of the key strengths of Ringsted Maskinfabrik is its team of experienced engineers and technicians. These professionals work closely with clients to understand their unique needs and develop customized solutions that meet their specific requirements.

In addition to its design and manufacturing capabilities, Ringsted Maskinfabrik also offers assembly services. Ringsted Maskinfabrik's commitment to quality is evident in everything it does. The company is working after the ISO 9001 quality management system, which ensures that its products and services meet the highest standards of quality and reliability.

Company size: 10 employees

Core Competencies

Ringsted Maskinfabrik has been specializing in plastic and metal processing and has many years of CNC machining experience.

We handle turning and milling items in brass, aluminium, copper, iron / steel, titanium and plastic etc. parts we turn are up to Ø300 mm, milling we can handle parts 1000x2500 mm.

We handle sheet metal work up to 3 meters, production of fittings, mounting plates, and springs. We have 2 welding cabins and can provide all kind of welding. We also offer laser cutting and surface treatment of all subjects. We have many years of experience and good cooperation with subcontractors and can offer a good solution that suits your project. We handle the whole process, which means you only must deal with one subcontractor.

References

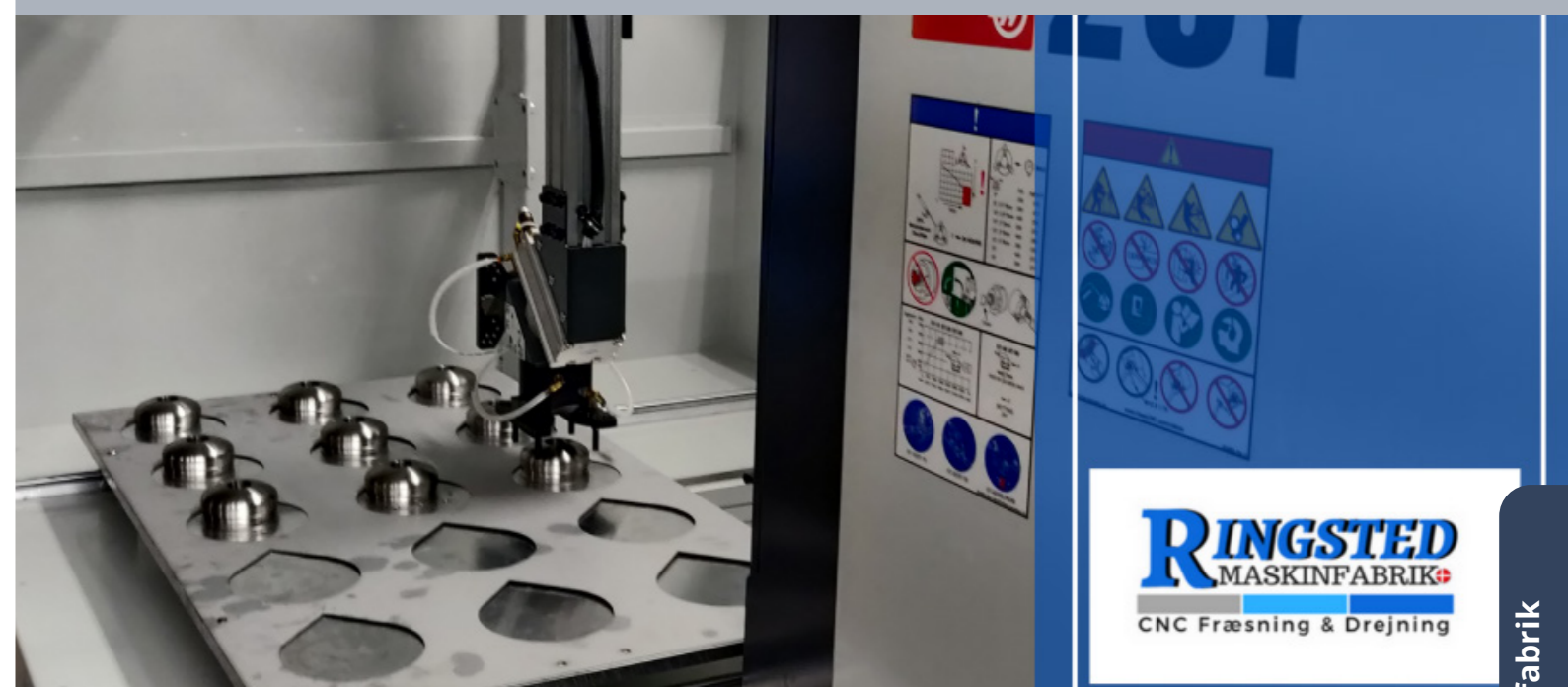
- For glass fiber wing production – Production of Vacuum AV, assembly and testing
- For energy measurement – Production of sensor system
- Manufacturing of Aluminium, metal and plastic parts for spectrometer for dairy, pharma and chemical

Industrial Sectors

Agriculture / Food processing / Packaging / Construction
Mining / Recycling / Chemical / Pharmaceutical / Automotive / Aerospace / Defense / Marine / Energy

Procurement Codes

Materials Processing / Plastic products and processing / Special materials / Surface coating



AV vessel
Made in Denmark

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Ringstedmaskinfabrik.dk-UK
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Company Profile

Since 1992 Rovsing is a recognised supplier of first-class Test Systems and Products (EGSE), Software Solutions, Independent Software Validation & Verification services and On-site Engineering Support for European and worldwide customers.

Our products and software, are flexible and configurable, facilitating tailor-made solutions, successfully used in various space programs.

Company size: 25+ employees

Core Competencies

Rovsing has delivered a significant number of turn-key Power EGSE, Simulation solutions and SW services for numerous space programmes for ESA, NASA and other governmental agencies as well as European and US large system integrators.

References

- Test and Simulation Systems
- Test and Simulation Products
- Independent SW verification and validation of SW up to Class A (only European company which validated Human Rated SW on ATV)
- SW design, coding and integration
- QA engineering

Industrial Sectors

Space / Defence / Big Science

Procurement Codes

Support Services
IT and Control Systems
Power Supplies
Optics, sensors & diagnostics
Mechanical Engineering
Electrical Engineering and Magnets
Electronics and RF
Others

Certifications and Qualifications

- ISO 9001
- ECSS



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Company Profile

Röttger's Værktøj A/S is a tool factory which has more than 50 years of experience. We have a modern and fully equipped machine park, consisting of more than 40 CNC machines. Our staff is stable and well-trained. We deliver total quality in compliance with agreements.

Company size: 25 employees

Core Competencies

CNC machines + EDM + Wire Cut + Turning + Milling 3, 4 and 5 axes + Grinding + Laser Welding + Zeiss Control Measurement.

We handle turned parts up to Ø450x1000mm and milled parts up to Ø1200x1050mm.

References

- Danfysik: Steel magnets. Laminated Magnets.
- Cern: Vacuum Chambers. CNC machining and wire cutting titanium and stainless-steel parts with small tolerances since 2011.
- Grundfos A/S: Spare parts to stamping tools for more than 30 years.

Industrial Sectors

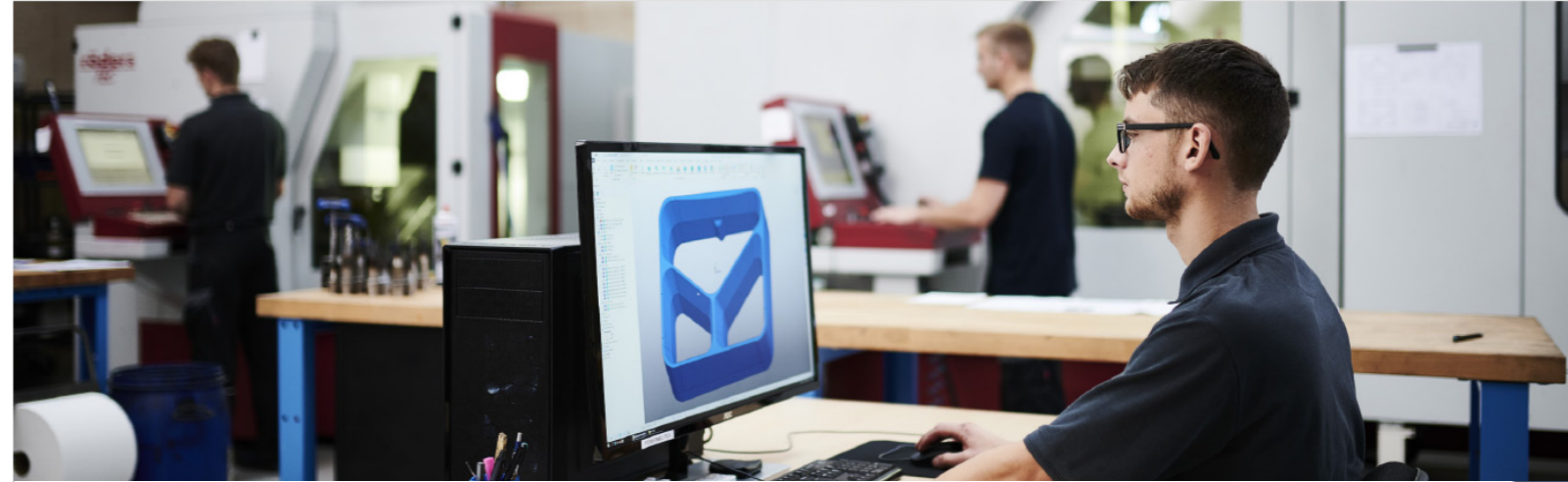
Big Science / Automation / Packaging / etc

Procurement Codes

Materials processing



RÖTTGER'S VÆRKTØJ A/S
www.roettger.dk



Company Profile

Sens4 A/S is a Danish company that develops and manufactures state-of-the-art vacuum measurement equipment.

Company size: 10 employees

Core Competencies

Sens4 A/S has many years of experience with measurement of pressure in various types of vacuum systems, ranging from ultra-high vacuum to overpressure. Deep knowledge in pressure sensor technology and vacuum systems is an enabler for developing application specific solutions for many different markets. Collaboration with our customers is key in our development of new products. Quality in our product design and manufacturing processes ensure long product lifetime and stable operation.

References

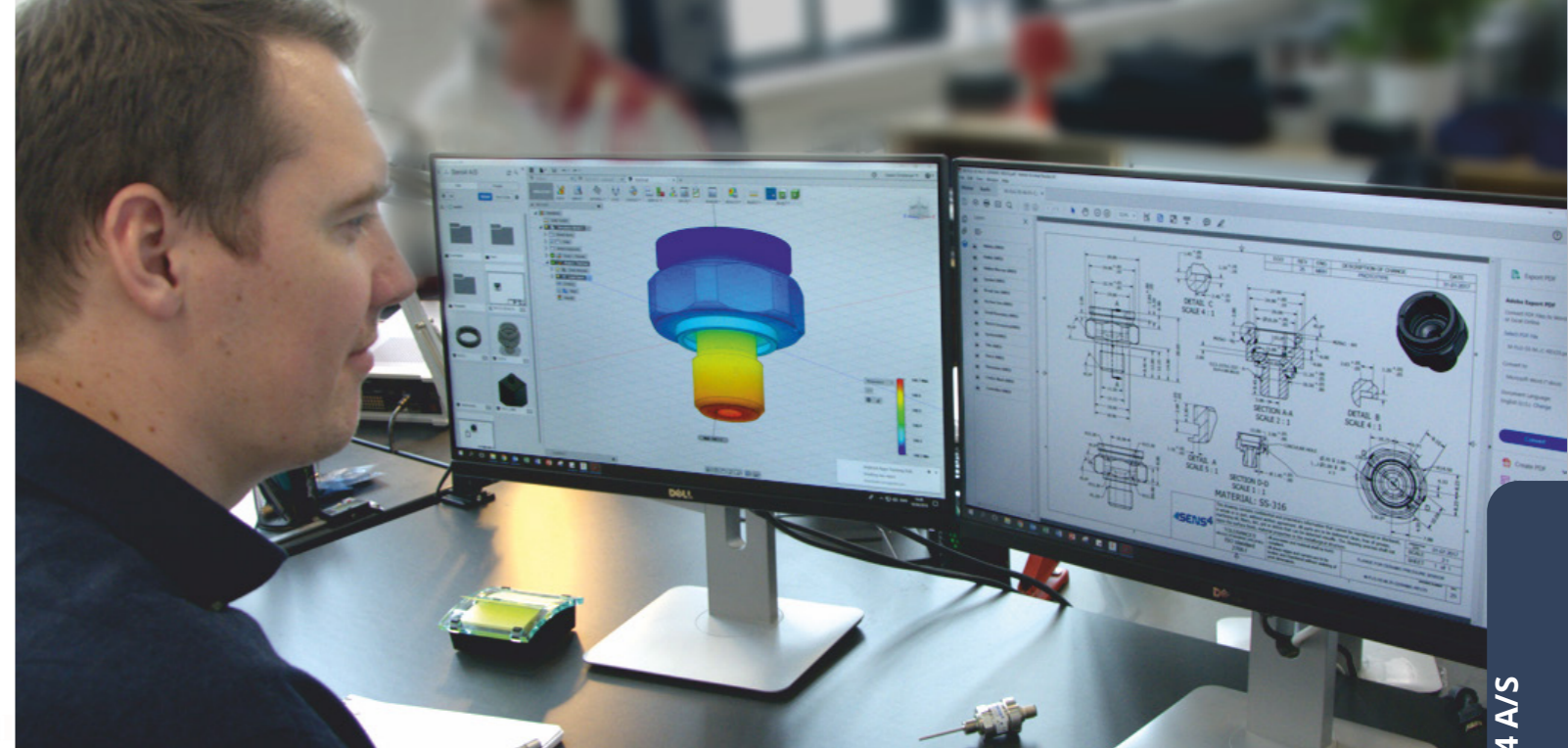
- Vacuum measurement equipment for European spallation source (2021-present)
- Special compact vacuum sensor for WISA WOOD-SAT (ESA) (2021)

Industrial Sectors

Semiconductor / Coating / Space / Big Science

Procurement Codes

Vacuum and Cryogenics



SHUTE Sensing Solutions A/S

The polymer optical fiber sensor company.

Company Profile

SHUTE has developed and patented a novel Polymer Optical Fiber sensor system which enables real-time monitoring of strain, humidity, temperature, and vibrations in points along a hair-thin optical fiber. The technology is quite versatile, due to the small size of the fiber and the flexibility of the material used: Polymer (plastic). The polymer makes the sensors flexible, stretchable, and immune to electromagnetic interference (EMI); and make them able to work in sophisticated environments like MRI, MPI, etc. The fiber sensor can go almost anywhere without compromising the structure it is embedded in.

Company size: 5-10 employees

Core Competencies

SHUTE offers customized fibers, fiber sensors and complete sensing systems. SHUTE has the flexibility and already a long track record in building prototypes. Despite being a relatively small company SHUTE has full in-house production facilities for producing fibers in different polymers, sizes, and shapes. And also, for designing and building instruments for various sensing purposes, including if needed a user-friendly interface.

SHUTE Polymer Optical Fiber sensors:

- Are light weight, hair thin, noncorrosive, nonelectrical conducting, flexible and durable.
- Can be placed in the core of the element without weakening the structure, but also on the outside or in hard-to-reach places.

- Are multi point and multi parameter sensing.
- Can survive and are reliable up to 100% Relative Humidity.
- Can monitor humidity in oil.
- Can measure deformation in soft materials – up to 6% elongation, e.g., rubber.
- Works in highly magnetic environments, e.g., MRI scanners - works in a 9.4 Tesla environment.
- Are 20-30 times more sensitive to strain/stress than glass fiber sensors.

References

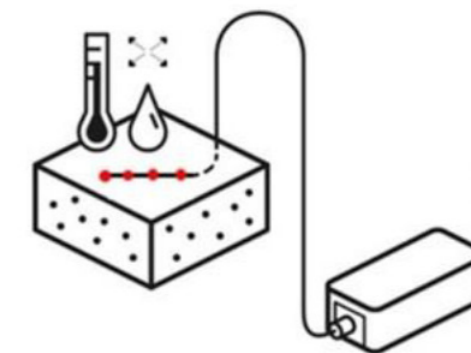
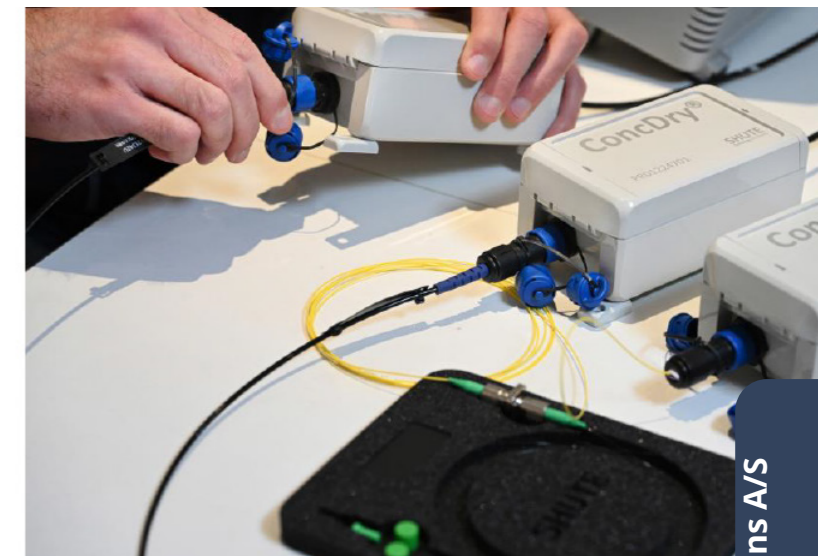
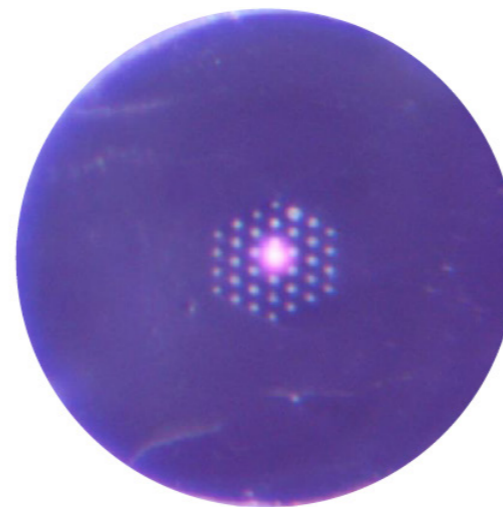
- R&D project, testing polymer optical fiber sensors for CERN (2020-23, still ongoing)
- R&D project with CEA co-developing polymer optical fiber sensors (2019-23, still ongoing)
- And from several industrial partners

Industrial Sectors

Construction / Industrial Sensing – SHM / Med-tech / Aerospace & Space / Wind Turbines & Energy / Big Science

Procurement Codes

Optics, sensors & diagnostics



SHUTE Sensing Solutions A/S

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SubC Partner A/S

Hands on Energy

Company Profile

SubC Partner is an international supplier of services and products to the offshore industry. Our aim is to offer the most innovative, flexible, and cost-effective solutions to lower the price of energy.

We have since 2002 developed solutions in close collaboration with our clients, counting companies as Total, Shell, Cern, Kanfa and many more. In our daily work with deliver a high level of quality within our fabrication department delivering over 90,000 hours a year, within welders, pressure and warehouse staff. For the past eight years our focus has also been on engineering and developing ROV together with Total, and more ROV are in the pipeline. The newest business area within SubC Partner is general maintenance. March 2022 we delivered 30,000 manpower hours within two weeks on Crossbridge in Fredericia, during the shutdown which is held every fourth year.

We are now ready to seek new business areas, and see a great potential for big science, that also bonds great with our participation in PtX and A2X.

Company size: 120 employees

Core Competencies

We offer a broad range of offshore inspection, installation, repair, and maintenance services as well as engineering and fabrication competences. We act as a single source supplier within subsea services, site service, and construction.

Certifications and Qualifications

- ISO 9001:2015
- ISO 14001:2015
- ISO 45001:2018
- ABS In-Water Survey
- ISO 3834-2
- EN 1090-1

References

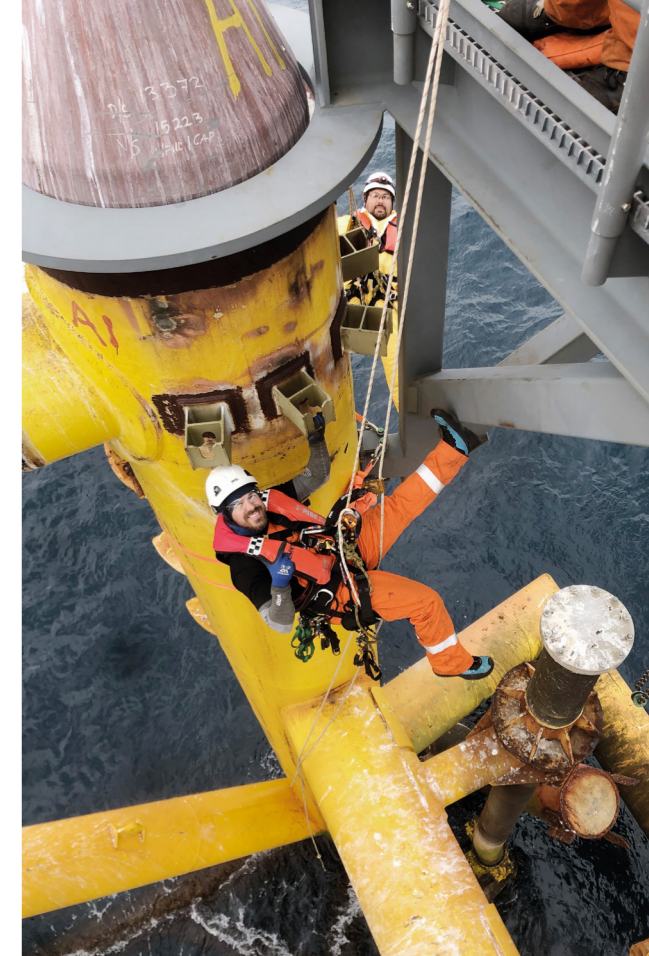
- The first Oil & Gas Offshore Installation assignment was signed with Maersk Oil, 2014
- Anode Repair Solution was developed for cathodic protection for submerged structures, 2017
- The Robotic Crawler won Total's Best Innovators Award in the category of Technical Innovation Solutions, 2019
- Danish Industry's annual award "Initiativprisen 2020" A recognition of SubC's impressive approach to (robot)-technology and business development, 2020
- A new subsea self-propelled robot was born. COALA is developed to remove marine growth on deep-water risers and tubulars, 2021
- Signing Fabric Maintenance contract with Altrad for Total Energies, 2022
- Delivery of DEMO 1-head pump module for CERN, 2022

Industrial Sectors

Maritime / Wind / Energy /Big Science

Procurement Codes

Mechanical Engineering
Vacuum and Cryogenics
Electrical Engineering and Magnets
Electronics and Radio Frequency



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SUBRA A/S

Superior superconductor technology

Company Profile

SUBRA is specialised in production of unique and superior superconductor technology, using patented surface modification technology.

Through research excellence and our superconductor expertise we develop novel superconductor solutions for particle accelerator magnets, and fusion power, to make an impact in the green transition.

Company size: 17 employees

Core Competencies

SUBRA is a science-based deep-tech company, strongly committed to a sustainable future and to being a key player in the climate solution, through pioneering the field of superconductivity.

With our expertise in superconductivity and surface technology, we are building the bridge between understanding superconductivity, innovative large-scale production, and engineering technology to make superconductor production feasible at scale.

Among other areas, our solutions directly target R&D in production of low cost and large-scale filamentized superconductors for fusion power and transmission cable systems, demonstrating some of the world's most effective superconductors.

Expertise:

Surface modification and electropolishing, 3D shaping, filamentization of superconductors, magnet designs, radiation and particle detectors.

Industrial Sectors

Superconductors, Energy, Super magnets, Fusion power

Procurement Codes

Electrical Engineering and Magnets
Surface Treatment
Materials processing
Optics, sensors & diagnostics

SUBRA



Teccluster A/S

New game changer in 3D printing technology

Company Profile

Teccluster has developed the TECCAM 3D printer line to set the standard for the future in the 3D printing industry.

Core Competencies

Cost effective ownership throughout entire life cycle. Complete digital system. Freedom to collaborate innovate. Open design for materials and machine access. Excellent sidewall quality and fine detail.

System features

- Scanning system, fully digital
- Key components from international top brands
- Laser, Optowa
- Scanner, Scanlab
- VSZ, variable spot size, automatic control
- Granite/Marble recoater frame, Z frame and Laser frame for enhanced stability.
- Slim footprint, customized print size can be produced
- CE certification by TÜV

References

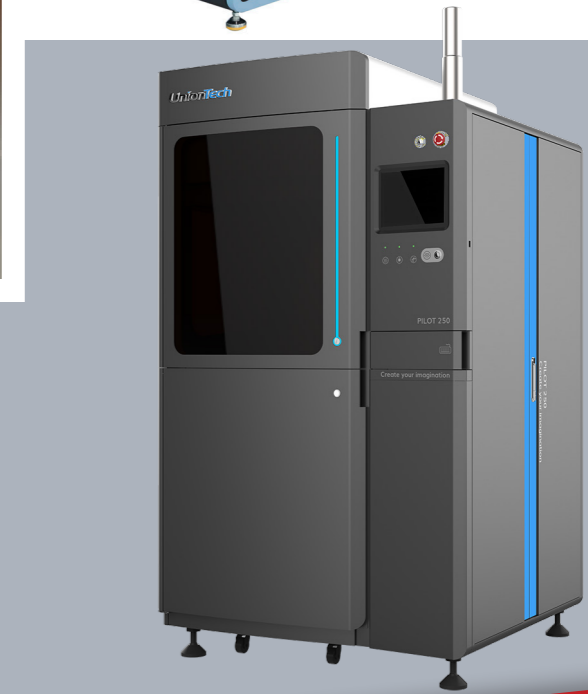
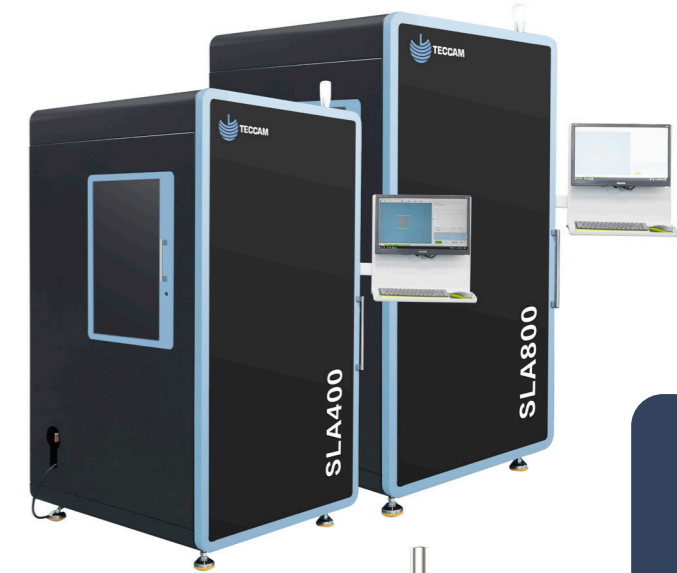
- Cern: 3D printers, material and software
- ESRF: Sample holders

Industrial Sectors

Medico / Maritime / Big Science / etc

Procurement Codes

Materials processing
Mechanical Engineering
3D Printers



Company Profile

Vengcon is an automation supplier for the industry. We have engineered, supplied, and commissioned industrial control systems in Denmark, the Nordic and Europe for +30 years.

Company size: 8 employees

Core Competencies

Vengcon has a wide range of competences ranging from electrical panel design to SCADA and MES integration. Vengcon does automation systems on Siemens and Rockwell Automation platforms. Vengcon also works as a business partner by which we share our expertise with our customers. We update existing solutions with state-of-the-art technology, and we help introduce the right solution to new markets.

References

- R&D for cascade heat pump compressor system.
- R&D Pilot Project for CO production container. ATEX-safe automation solution for a new CO production system. The self-contained system was built in a container, with plenty of opportunities to vary parameters of production in order to optimize CO production.
- Startup company (PtX), R&D pilot Project for raw bio-oil. All-included electrical and automation delivery. The electrical system was made ATEX-safe using intrinsically safe components.
- R&D Pilot Project for Renewable Wave Energy Self-contained container solution for open sea placement.

Industrial Sectors

Medico / Food / Energy / Pulp & Paper

Procurement Codes

IT and Control System / Utilities & Installations / Automation System / Programming



Volkers Remarkable Talent

Engaging the hearts, minds, and hands of talent as the most sustainable source of organisational impact.

Company Profile

We are an independent consulting practice specialising in executive search, talent assessment and leadership advisory.

We represent more than 15 years' experience in attracting and developing remarkable leaders and specialists that considerably strengthen organisational results and lead to advancement of goals.

Company size: Founder / Principal Consultant + Comprehensive Associate Network of Consultants.

Core Competencies

- Attracting and selecting highly qualified candidates for leadership and specialist positions across the public, private and third sectors.
- Assessment of talent capabilities. We identify and measure the potential in individuals, teams, and organisations.
- Developing the capabilities of individuals and teams. We work closely with our partners to unlock the full potential of their talent to strengthen results.

References

EUROCONTROL, the European Commission, the International Seabed Authority (ISA), Merck, Sharp and Dohme (MSD), the Pan-American Health Organization (PAHO), the Organisation for Economic Co-operation and Development (OECD), the World Intellectual Property Organization (WIPO) and the World Health Organization (WHO), among others.

Industrial Sectors

Our partners extend Academia and Education, Finance, Government and Regulation, Energy and Environment, Health, Information Technology, Mining and Metals, Professional Services, Transportation and Logistics, Travel and Hospitality, as well as other sectors Worldwide.

Procurement Codes

Support Services



Company Profile

Water is a research-based company specialized in designing and manufacturing environmentally friendly, non-chemical water treatment and purification technologies such as ultraviolet disinfection and ozone oxidation.

With more than 35 years of experience in water treatment based on advanced oxidation technologies and a long reference list of completed projects, we are proud to provide state-of-the-art meticulously-designed systems and engineered solutions.

Company size: 4 employees

Core Competencies

- Ozone systems
- UV

References

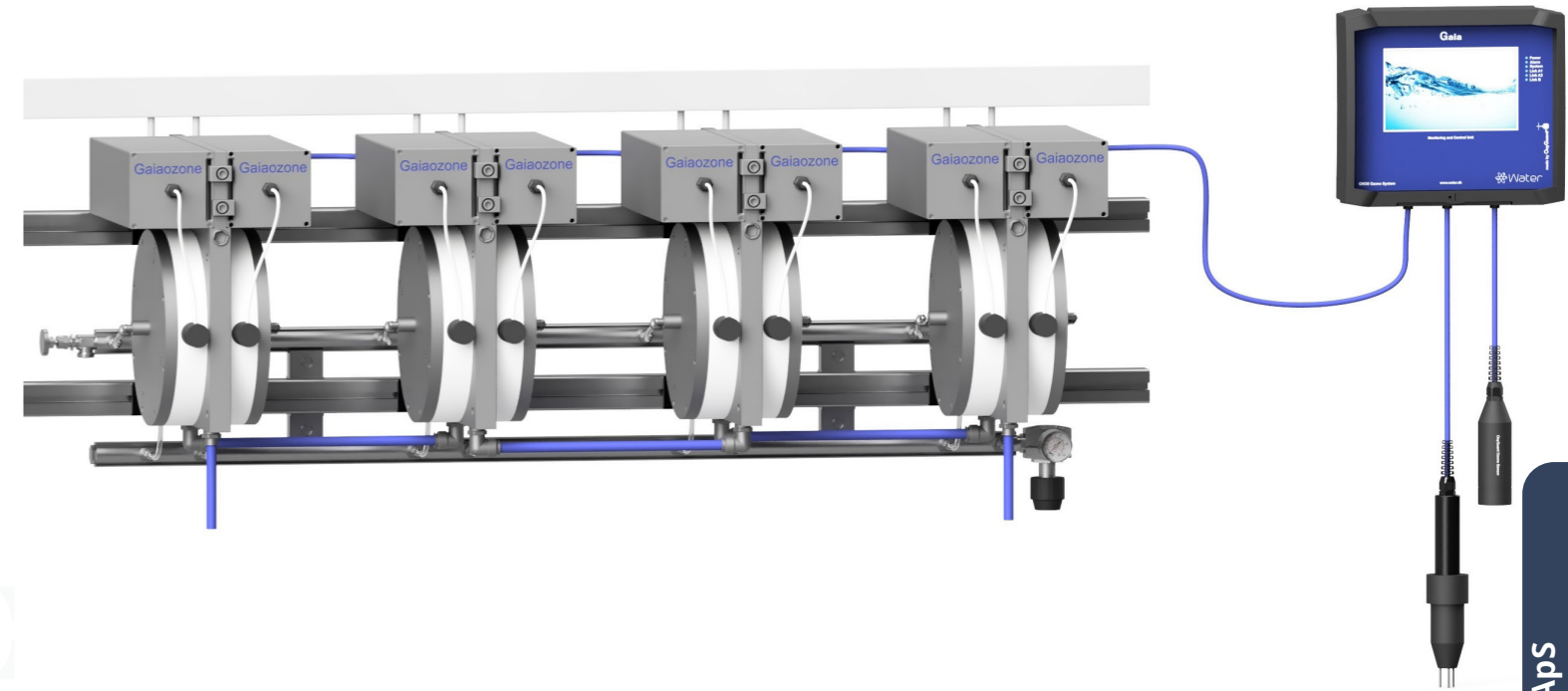
- The Blue Planet: National Aquarium of Denmark
- VIDA Project - Removal of off-flavour in farmed fish and saving water. Bornholm, Denmark
- Lanozo: Launch of ozone in freshwater aquaculture
- Copepod Research Facility

Industrial Sectors

Aquaculture / Waste water treatment / Industrial Water / Aquariums / Amusement parks / Drinking water

Procurement Codes

Utilities and Installations





BigScience.dk
Company Catalogue
2023



TEKNOLOGISK
INSTITUT



Uddannelses- og
Forskningsstyrelsen

