



PRODUCT CATALOG

Most types of subsea equipment—including cameras, lights, junction boxes, cables, and system solutions – for both vessels and other applications.

2026

FERDER
SOLUTIONS

SEAVISION

CAMERA | LIGHT | SUBSEA CABLE | MONITORS | CONNECTION HUB

DESIGN | PRODUCTION | CUSTOM



FERDER SOLUTIONS

ONE SYSTEM. MANY POSSIBILITIES.

Modular design. Flexible configuration.
Built for your application.



MODULAR DESIGN

Easily adapt and expand
your system as your
needs grow.



FLEXIBLE CONFIGURATION

Multiple camera connections
from a single SubConn
interface.



RELIABLE PERFORMANCE

High-quality components
built for demanding
underwater environments.



SCALABLE SOLUTION

Perfect for inspection,
monitoring and surveillance
applications.



SUBCONN INTERFACE

One interface.
Multiple connections.
Endless possibilities.



UNDERWATER OPTIMIZED

Designed for long-term
operation in harsh
marine environments.



MULTI-CAMERA SUPPORT

Connect multiple cameras
for maximum coverage
and situational awareness.



BUILT TO LAST

Corrosion-resistant
materials and robust
connectors ensure
reliable performance.



EASY INTEGRATION

Seamless integration
with ROVs, UV systems
and control setups.



Analog cameras

Analog cameras provide reliable high-definition video with virtually no noticeable latency. Using coaxial cable, analog camera offers a simple and robust video solution that is easy to integrate into existing systems. The technology is particularly well suited for ROVs, inspection equipment and other applications where real-time video and a stable connection are essential.

AQV-51, 52

AquaView 50 series is the mini analog subsea and marine camera for most uses, featuring a Sony sensor, and built-in light. Housing made from POM hard plastic, it can withstand rough conditions, harsh chemicals and be permanently submerged. Provided with subsea connector. Being an analog camera, the latency minimal. Available with built-in LED light.



Available also with brackets



Paired with Coax Subsea cable - 753 (4-pin)

Prices from

AQV-51C with light: 13.000 NOK

AQV-52C without light: 12.500 NOK

Optional with casting:



Depth rating

| 250m

IP cameras

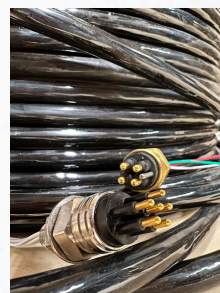
IP cameras deliver high-quality digital video with flexible system integration and advanced functionality. Using Ethernet connectivity, IP cameras can transmit video, power and data over a single cable, making them well suited for modern and network-based systems.

AQV-62, 64 PoE

AquaView 60 series is the mini IP subsea and marine camera for most uses, featuring a Sony sensor. Housing made from POM hard plastic, it can withstand rough conditions, harsh chemicals and be permanently submerged. Provided with subsea connector or cable gland. AQV-64 is available with PoE.



Available also with brackets



Paired with CaT Subsea cable

Prices from

AQV-62C: 14.500 NOK

AQV-64C PoE: 17.500 NOK

Optional with casting:



Depth rating

| 250m



IP PTZ camera

Our PTZ (Pan-Tilt-Zoom) cameras provide flexible, wide-area surveillance and inspection from a single camera position. With 360° pan capability and precise tilt control, the camera can be remotely directed to different areas, allowing operators to quickly change the viewing direction without physically moving the camera.

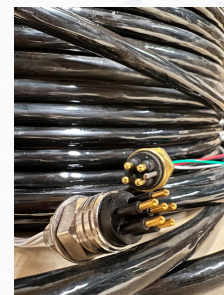
Aquaview 170

A versatile pan, tilt and zoom camera designed for a wide range of underwater applications, including aquaculture, ROV operations, inspection systems and underwater surveillance.

A PTZ camera can cover a large area while reducing the need for multiple fixed cameras, helping to simplify installation and provide a more flexible monitoring solution.

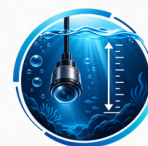


Available also with brackets



Paired with CaT Subsea cable

Prices from
Aquaview 170: 34.500 NOK



Depth rating

| 100m

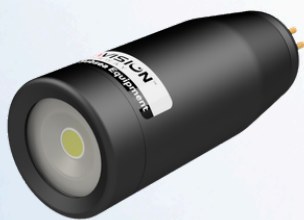


Subsea light

We supply underwater lighting solutions designed for demanding marine and subsea applications, where reliable illumination and robust construction are essential. Our lights are suitable for a wide range of applications, including ROVs, inspection systems, aquaculture, subsea equipment and underwater cameras.

Aqualux 105

AquaLux series is the mini subsea and marine light for most uses. Housing made from POM hard plastic, it can withstand rough conditions, harsh chemicals and be permanently submerged. Provided with subsea connector or cable gland.



Available also with brackets



Paired with Subsea cable 753

Prices from
Aqualux 105: 7.000 NOK



Depth rating

| 250m

UNDERWATER LIGHTS

SEE CLEARER. GO DEEPER.



POWERFUL
ILLUMINATION



WATERPROOF &
CORROSION RESISTANT



EXCELLENT VISIBILITY
IN DARK ENVIRONMENTS



LONG LIFE &
RELIABLE PERFORMANCE



BUILT FOR MARINE,
SUBSEA & INDUSTRIAL
APPLICATIONS



Bracket

The bracket is designed for secure and flexible mounting of our subsea cameras and lights. Its robust construction provides a stable mounting solution while allowing the equipment to be positioned and adjusted as required.

The bracket is suitable for use with both camera and light configurations and is designed for reliable operation in subsea environments.

Aquabacket 47

316SS | ADJUSTABLE | COMPATIBLE WITH CAMERA & LIGHT



Compatible with camera & light



Works well with the camera and light in a Y-split setup

AQUABRACKET 47MM

STAINLESS STEEL MOUNTING BRACKET
FOR CAMERA & LIGHTS



BUILT FOR THE DEPTHS

Manufactured from 316 stainless steel for superior corrosion resistance and long-term reliability.



SECURE & STABLE

Robust clamp design ensures a solid and vibration-resistant installation.



FLEXIBLE MOUNTING

Designed for easy positioning of cameras and lights.



UNIVERSAL COMPATIBILITY

Fits a wide range of subsea cameras and lights.

316

STAINLESS STEEL



CORROSION
RESISTANT



ENGINEERED TO PERFORM

Precision designed and built to handle the harshest subsea environments.



CAMERA
COMPATIBLE



LIGHT
COMPATIBLE



CORROSION
RESISTANT



BUILT TO
LAST

PRECISION • STRENGTH • RELIABILITY



Light

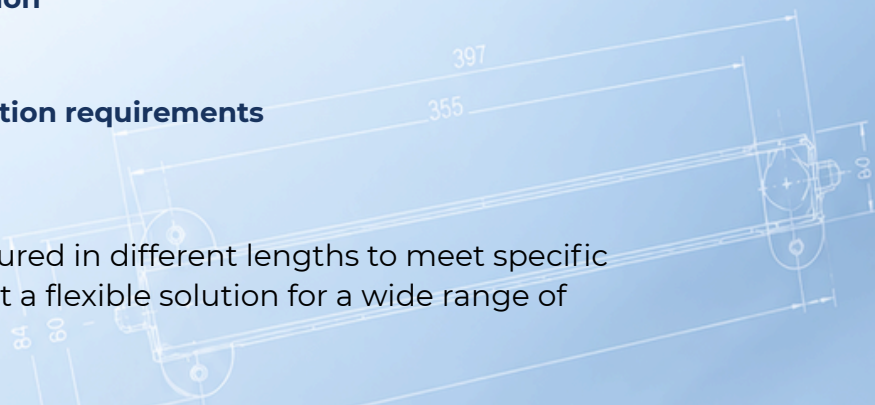
Our LED light bar provides uniform and consistent illumination, delivering a clean and even light output along the entire length of the bar. The light intensity can be fully dimmed, allowing the illumination level to be adjusted to suit different applications and operating conditions.

LED light bar

CUSTOM | ADJUSTABLE | COMPATIBLE WITH CAMERA & LIGHT

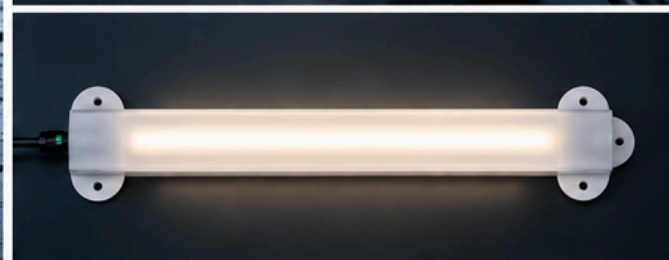
- **Even and uniform light distribution**
- **Fully dimmable**
- **Available in different lengths**
- **Customizable to specific application requirements**
- **Compact and robust design**

The light bar can also be manufactured in different lengths to meet specific installation requirements, making it a flexible solution for a wide range of applications.



CUSTOM DEVELOPED

LED LIGHT BAR



WATERPROOF
DESIGN



ROBUST
CONSTRUCTION



UNIFORM
LIGHT OUTPUT



CUSTOM
SOLUTIONS



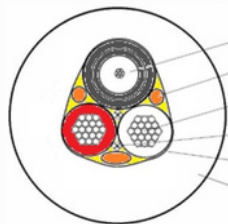
Ø12.4

Subsea cables

Our Subsea Coax Cable is designed for reliable video and signal transmission in demanding underwater environments. Built for subsea applications, it combines robust construction with dependable performance and can be tailored to the requirements of your system and operating depth.

Subseacable Coax | analog

Our Subsea Coax Cable is available with 3+ conductors, providing a versatile solution for video transmission, component control and light dimming. The cable can be supplied in desired lengths by the meter or in standard lengths of 10, 20 and 30 meter, with a moulded connector on one end and an open end on the other. Custom cable lengths and configurations are also available to meet specific customer requirements.



Available also with +2/+4 conductors



Paired with MacArtney connector

Prices from

Subsea 753 (loose): 99 NOK pr. meter

Subsea 753 (connector standard length): 9.000 NOK

(depending on volume and length)

THE BENEFITS OF COAXIAL CABLES

PROVEN SIGNAL QUALITY. BUILT FOR RELIABILITY.



EXCELLENT SIGNAL QUALITY

Coaxial cables deliver stable, clear video transmission with minimal signal loss and interference.



SUPERIOR INTERFERENCE RESISTANCE

Shielded construction protects against EMI and RFI for reliable performance in harsh environments.



LOW SIGNAL LOSS OVER DISTANCE

Designed for long cable runs, coaxial cables maintain strong signal quality even over extended distances.



DURABLE & RELIABLE

Robust construction ensures long service life and dependable performance in marine, industrial and outdoor applications.



SIMPLE & COST-EFFECTIVE

Easy to install and maintain, with cost-effective components and wide compatibility with existing systems.



BUILT FOR HARSH ENVIRONMENTS

Resistant to moisture, saltwater and demanding conditions – ideal for marine, subsea and industrial use.



TRUSTED TECHNOLOGY. PROVEN PERFORMANCE.

Coaxial cables – the reliable choice for professional video transmission.



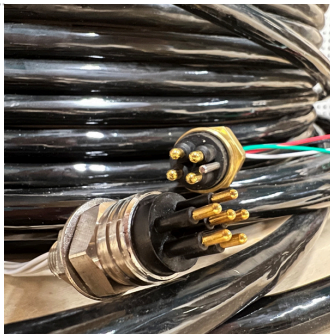
Subsea cables

We supply and assemble high-quality Ethernet cables for IP-based systems, available in both Cat 5e and Cat 6 configurations. Our cables can be supplied in different lengths, jacket materials, connector configurations and specifications to match the requirements of each application.

Subsea cable CaT | IP - digital

Our CAT cables are available in CAT5e+2 and CAT6+4 configurations, providing both reliable network communication and additional conductors for power or other signals where required.

At Ferder Solutions, we can also supply the cables as complete, application-specific cable assemblies. We can assist with cable length, connector configuration, termination and additional protection, ensuring the finished cable is ready for installation and adapted to the customer's requirements.



Available CaT 5,6 with +2,+4, conductors



Paired with MacArtney connector

Prices from

Subsea CaT: 110 NOK pr. meter

Subsea CaT (connector standard length): 9.000 NOK

(depending on volume and lenght)

THE BENEFITS OF CAT5e / CAT6 CABLES

RELIABLE PERFORMANCE. BUILT FOR DEMANDING ENVIRONMENTS.



HIGH PERFORMANCE

Supports high-speed data transmission up to 1 Gbps (Cat5e) and 10 Gbps (Cat6) for reliable performance.



STABLE & RELIABLE

Reduced crosstalk and interference ensure stable connections and consistent data quality.



BUILT FOR TOUGH ENVIRONMENTS

Designed for durability and reliable performance in harsh marine, industrial and subsea applications.



WATER & CORROSION RESISTANT

Robust materials and construction provide excellent resistance to water, moisture and corrosion.



FLEXIBLE & EASY TO INSTALL

Lightweight and flexible design simplifies handling, installation and routing – saving time and costs.



FUTURE READY

Supports modern applications and bandwidth demands – a smart choice for today and tomorrow.



PROVEN QUALITY. MAXIMUM UPTIME.

Cat5e and Cat6 cables – the reliable connection you can trust.

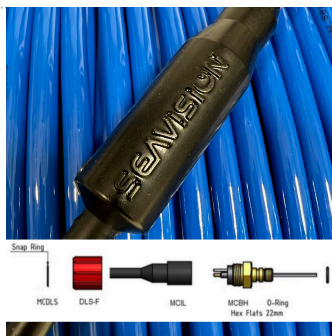


Subsea cable cast

We supply robust subsea cables and provide professional moulding for demanding underwater applications. Solutions can include moulded cable joints, connectors and Y-split joints, customized to the required length, configuration and application. Our moulding provides durable and watertight protection for reliable performance in subsea environments.

Cable cast

Our Y-split solution allows a single subsea cable to be split into two connections, providing flexibility to run one light and one camera – or two other components – simultaneously. The cable can be routed to the surface while maintaining a compact and reliable subsea connection.



Y-split

We use high-quality subsea connectors from the renowned MacArtney

THE CASTING PROCESS

BUILT FOR RELIABILITY



PRECISION ENGINEERED. RIGOROUS PROCESS. MAXIMUM PERFORMANCE.
Every step matters. Every cable counts.



Marine Approved Displays

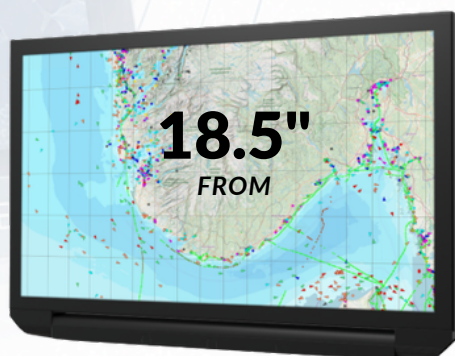
We supply marine-approved displays from North Invent, designed for demanding maritime, offshore and industrial applications where reliability, visibility and certified performance are essential.

North Invent is a Norwegian technology company with extensive experience in marine display solutions. Their range includes rugged monitors in several sizes and configurations, with options such as touchscreen, high-brightness displays, flexible mounting solutions and multiple interface configurations.

Wave II Monitors

The Wave II Monitors are a series of well-designed, rugged LED displays with full glass front and PCAP multitouch option. The Wave II Monitors are a series of well-designed, rugged LED displays with full glass front and PCAP multitouch option.

The Wave II monitors have of course been tested according to IEC 60945 and IACS E10 in addition to a range of selected MIL standards. Being confident about quality we walk the talk with a 3 year warranty.



SIZES

FIND THE RIGHT FIT



Sizes: 18.5", 19", 21.5", 24", 27" & 32"



Marine Approved Displays

We supply marine-approved displays from North Invent, designed for demanding maritime, offshore and industrial applications where reliability, visibility and certified performance are essential.

The North Invent XL Series is our line of large-format monitors, designed to set new standards in performance, reliability, and user experience. Since launching the first type-approved digital chart table, we have expanded our portfolio to support a wide range of applications.

Wave XL Monitors

The XL 65" is the first product in our updated generation of XL monitors. By combining our experience in maritime displays with the latest technological advancements, we have created a new series tailored for modern maritime use. The XL 45" The non-touch version comes with full glass front and narrow bezel, utilizing a tempered, AR coated glass providing the very best optical appearance. It is suitable for any marine application such as radar, ECDIS, conning etc.



Available with touch



The Wave XL display can be flush mounted into the panel, or it can be mounted on the table top without any cut-out required. It also comes with a range of mounting accessories such as pedestals, tilt units, roof mounting units etc.

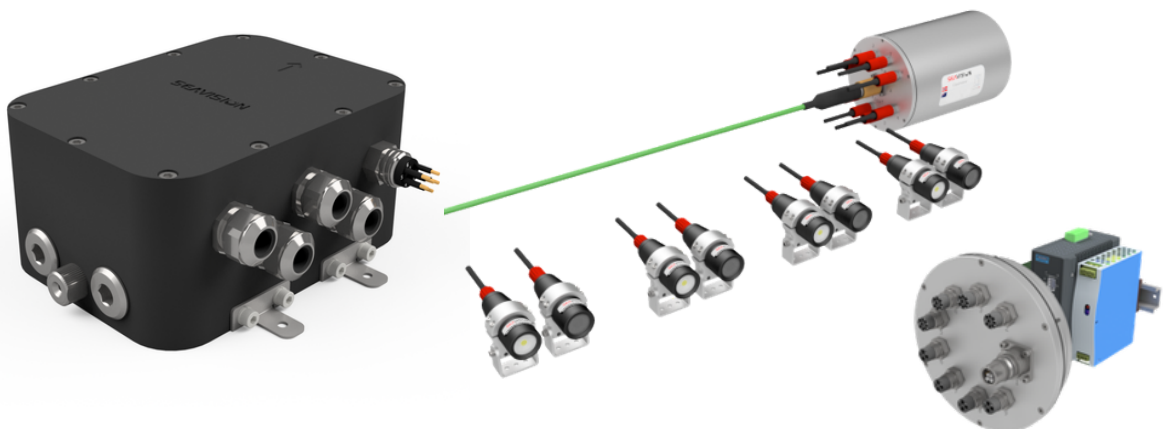


Connection HUB(S)

We design and manufacture custom connection hubs tailored to each customer's specific requirements and application. Both material selection and design can be adapted to suit the operating environment, technical specifications and installation requirements.

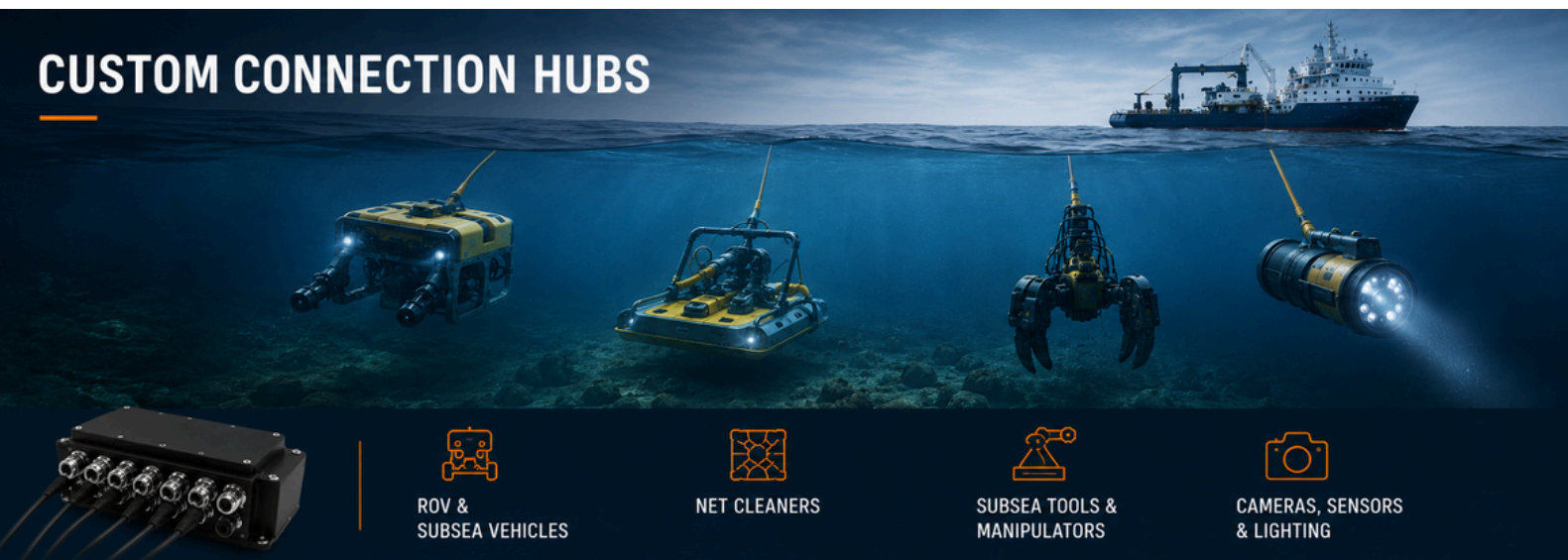
From standard to custom design

From the overall construction and dimensions to the choice of connectors and materials, we work closely with the customer to develop a solution that fits the application precisely. The result is a reliable, purpose-built connection hub designed to meet the customer's needs — not a standard off-the-shelf solution.



A connection hub often contains much more than just connectors. Depending on the application, we can integrate components such as Ethernet switches, mini PCs, power supplies, relays, controllers and other control electronics directly into the hub.

CUSTOM CONNECTION HUBS



ROV &
SUBSEA VEHICLES



NET CLEANERS



SUBSEA TOOLS &
MANIPULATORS



CAMERAS, SENSORS
& LIGHTING



BUILT TO LAST



BUILT TO FIT



BUILT FOR YOU



BUILT TOGETHER



FERDER SOLUTIONS

DEEP DOWN WE GO

Your solution partner

 Subsea

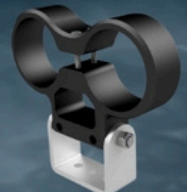
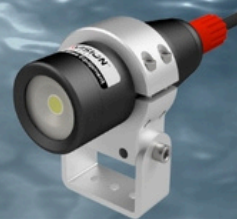
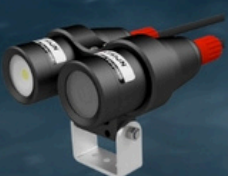
 Production

 Design

 Custom

 PCB

 systems





In-house production

We also offer inventory management through call-off agreements, allowing us to keep agreed quantities of products and customer-specific assemblies in stock on your behalf. This ensures that the right products are available when you need them, without the need for you to maintain large inventories yourself.

Combining assembly and stock management

By combining production, assembly and stock management, we provide a flexible and reliable supply solution tailored to your needs. You get fast delivery, predictable availability and less administration — hassle-free, right when you need it.

We have the equipment, expertise and skilled personnel to handle both small and large-scale projects. Whether you need a limited number of custom assemblies or larger production runs, we can adapt our capacity and processes to meet your requirements.

In addition to production and assembly, we can provide complete documentation packages tailored to your needs. This may include drawings, wiring diagrams, assembly documentation, test reports, specifications and other relevant technical documentation.

BUILT TOGETHER. BUILT TO PERFORM.

IN-HOUSE PRODUCTION

ASSEMBLY. QUALITY. RELIABILITY.

We have a dedicated production department with skilled technicians and the right equipment to assemble and integrate a wide range of products and systems.

From cables and connectors to control cabinets and complete solutions – we build, test and deliver with precision and care.



SKILLED TECHNICIANS

Experienced and solution-oriented team.



FLEXIBLE PRODUCTION

Custom solutions adapted to your needs.



HIGH QUALITY STANDARDS

Every product is thoroughly tested and verified.



EFFICIENT DELIVERY

On time, every time.



COMPLETE SOLUTIONS

We assemble cabinets, cables, equipment and more.

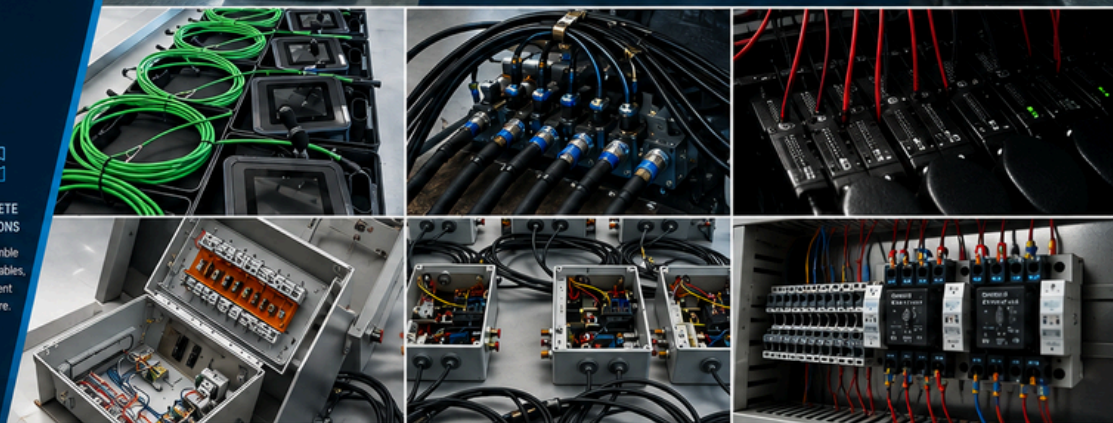


WE BUILD THE PARTS. YOU BUILD THE FUTURE.

We handle the details – so you can focus on what you do best.



Our production facility is equipped for efficient assembly, integration and testing of electrical and mechanical systems.



CONTROL CABINETS
Design, assembly and testing of custom control solutions.



CABLE ASSEMBLY
Custom cable sets built to specification and application.



EQUIPMENT INTEGRATION
We mount and integrate a wide range of electrical and mechanical components.



VARIOUS ASSEMBLY
From small units to complete systems – we handle the details.



Cable Preparation & Configuration

We provide professional cable preparation and configuration tailored to the specific requirements of each application. Our process includes precise cutting, stripping, preparation and assembly of cables, ensuring consistent quality and accurate dimensions before the final components are installed.

Efficient and precise cable preparation

This combination of precision machinery and experienced workmanship enables us to deliver cables that are accurately prepared, consistently processed and ready for further assembly or installation.

By outsourcing cable preparation and assembly to us, our customers save valuable time and resources. Instead of spending time cutting, stripping, terminating and preparing individual cables, they receive ready-to-install cable sets and can focus on what matters most – developing, manufacturing and delivering their own equipment and systems.

CABLE PREPARATION & CONFIGURATION

Precision. Reliability. Custom Solutions.



Cutting & stripping



Crimping & assembly



Testing & quality control



Ready for installation

We configure and prepare cables according to your specifications – delivering high quality and reliable solutions, every time.





Custom PCB Design & Layout

We design and develop custom PCB solutions tailored to our customers' specific requirements. From the initial concept and schematic design to component placement, routing and final PCB layout, we create solutions adapted to the intended application.

Your idea. Our design. Your solution.

Our focus is on functional, reliable and production-ready designs, with careful consideration of electrical performance, component selection, mechanical requirements and manufacturability. We can also provide the necessary production files, documentation and technical drawings for manufacturing and assembly.



Whether you need a completely new PCB or an existing design optimized and adapted, we can help turn your requirements into a finished and practical solution.

CUSTOM PCB DESIGN

Tailored to your needs. Built for your application.

We design and develop high-quality PCB solutions fully tailored to your requirements. From concept and schematic capture to layout and production data – we deliver boards that perform.



CUSTOM DESIGNED

We create PCB layouts optimized for your specific application.



HIGH PERFORMANCE

Careful component placement and routing for reliable performance.



DESIGNED FOR MANUFACTURING

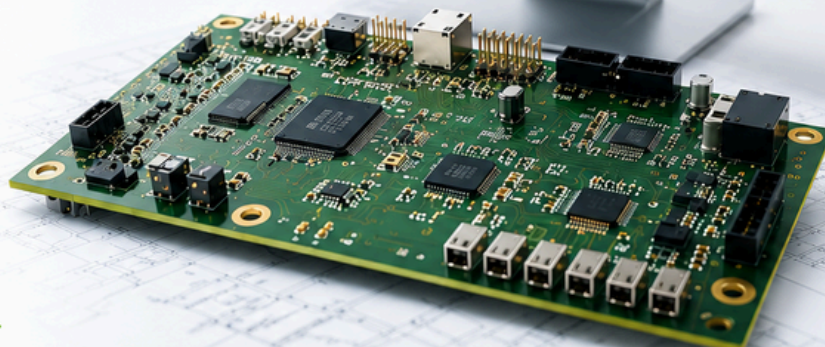
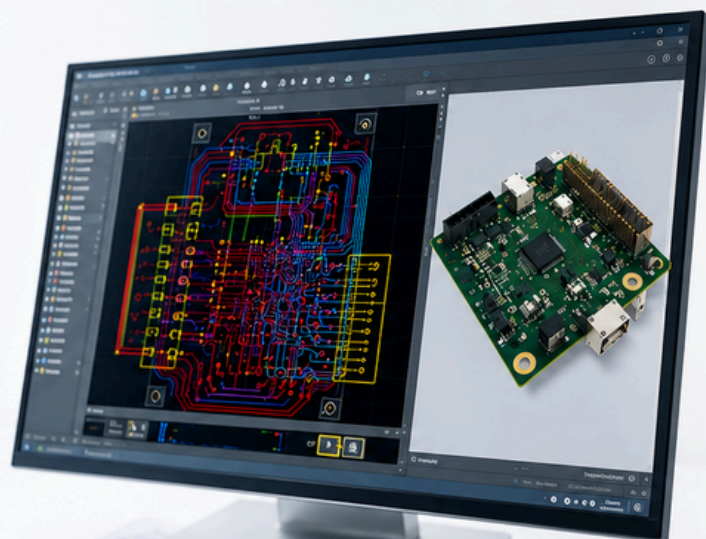
We follow industry standards to ensure smooth production and assembly.



COMPLETE DELIVERY

You receive all necessary production data, documentation and support.

Your idea. Our design. Your solution.



OUR PROCESS



REQUIREMENTS
& CONCEPT



SCHEMATIC
DESIGN



PCB LAYOUT



REVIEW &
VERIFICATION



PRODUCTION
READY



BUILT TO LAST

Robust designs for demanding environments.



BUILT TO FIT

Solutions adapted to your application and requirements.



BUILT FOR YOU

From idea to finished product, we've got you covered.



BUILT TOGETHER

Close collaboration – from concept to completion.



Design & Engineering

Good products start with good design and careful planning. We work closely with our customers from the early stages of an idea, focusing on understanding the application, requirements and challenges before developing the final solution. We create solutions adapted to the intended application.

Technical expertise, practical experience

Our design process combines technical expertise, practical experience and close customer collaboration. We consider everything from functionality and material selection to dimensions, tolerances, component availability, assembly and the intended production method.

A key part of our approach is Design for Manufacturing (DFM). By considering how a product will actually be produced from the beginning, we can identify potential challenges early, simplify assembly and ensure a reliable and cost-effective production process.

The result is not only a good design, but a solution that is practical to manufacture, easy to assemble and built for reliable performance.

DESIGNING SOLUTIONS

From concept to detail.
Precision in every line.



-  3D DESIGN
-  TECHNICAL DRAWINGS
-  ENGINEERED TO PERFORM

River

Monitoring Solution

Fish Monitoring | Species Identification
| Data Collection | Live Feed

Get a complete overview of the river – in real time. Our River Monitoring Package provides fishery organizations with a complete and reliable system for monitoring fish ladders, spawning areas, and fish migration.



Plug & Play Solution

Easy installation



Long-Term Recording

Secure Storage of Valuable Data



Portable Equipment

Easy to Relocate



Wireless Transmission

Live View



FullHD | 4K | analog | IP

Flexible Solution



Much More

Tailored to Your Needs



Wifi

Recorder



Subsea cable



River **Knowledge**
– For Better Fisheries
Management



Crystal clear
Imaging



Better
Management



Non-intrusive
Monitoring



Robust &
Reliable



Flexible
Solution



Hybrid Solutions



FEEDER

SOLUTIONS



Camera system with server & client

Hybrid Solutions

-a complete system for monitoring the fish welfare onboard wellboats.

Design and optimized for your needs

The upgrade and renewal of the vessels will begin by establishing the core infrastructure of the system.

This follows the same approach we use when delivering systems for new vessels.

The core infrastructure ensures that the system has sufficient and correctly dimensioned capacity to support future upgrades and expansion.

Systemtegning Hybrid Solutions Eksemplifisert



SEAVISION™

HYBRID SOLUTIONS



Server

Good products start with good design and careful planning. We work closely with our customers from the early stages of an idea, focusing on understanding the application, requirements and challenges before developing the final solution. t, we create solutions adapted to the intended application.

Server – Robust Processing and Storage

The server is a central component of the SeaVision system, designed to handle demanding requirements for video processing, storage, and system integration. It provides a stable platform for managing and distributing video streams from cameras throughout the vessel, while offering sufficient capacity for future system expansion.

The solution can be configured with redundant storage (RAID) to improve data security and system availability. The 4U rack-mounted server platform provides ample space for processing, storage, and essential hardware components, while maintaining a compact and service-friendly installation.

The server can be tailored to the specific requirements of each vessel, including storage capacity, processing performance, number of video streams, and system functionality. This makes the solution well suited for both upgrades of existing vessels and installations in new systems.

In short: A robust and scalable server platform that forms the backbone of the SeaVision system for video management, storage, processing, and future expansion.





PC SYSTEM

SYSTEM OVERVIEW





Projects with our team

We can support your project from idea to finished product. Our team can be involved throughout the entire process — from concept development and technical drawings to component selection, purchasing, production, assembly and final delivery.

Project Execution

With strong supplier relationships and competitive purchasing agreements, we can help identify and source the right components for your application. By combining engineering, procurement and production under one roof, we simplify the process and reduce the need for multiple suppliers.

Whether you need support with a complete project or only selected parts of the process, we can adapt our involvement to your needs and help turn an idea into a production-ready solution.



Your Partner
YOUR SOLUTION



FROM IDEA TO SOLUTION

WE TAKE YOUR PROJECT ALL THE WAY



CLOSE PARTNERSHIP
We work with you as an extension of your team



SMART SOURCING
Strong purchasing agreements and expert component selection



BUILT TO PERFORM
Design for manufacturing reliable production and long-term value

1

IDEA & CONCEPT



- Idea development
- Needs and requirements
- Feasibility study

2

DESIGN & ENGINEERING



- 3D design & technical drawings
- Function, material & tolerance
- Design for Manufacturing (DFM)

3

COMPONENT SELECTION & SOURCING



- Component evaluation
- Quality, availability & cost
- Strong purchasing agreements with reliable suppliers

4

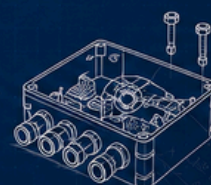
PRODUCTION



- Efficient and reliable production
- Quality control throughout
- Scalable for small and large volumes

5

ASSEMBLY



- Mechanical & electrical assembly
- Testing and verification
- Built to last

6

FINISHED SOLUTION



- Ready for delivery
- Documentation & traceability
- Long-term support



THANK YOU

FOR EXPLORING OUR SOLUTIONS

We appreciate your interest in our products and solutions. Together, we can create reliable and innovative systems for tomorrow.



FERDER
SOLUTIONS

SEAVISION

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