

Green Harbor Technology



Products Designed
To Withstand
A Lifetime

November 2025



VIKINGEGAARDEN A/S
GREEN HARBOR TECHNOLOGY

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WWW.VIKINGEGAARDEN.COM

Turnkey Solutions for Harbor Challenges

We understand that managing a harbor business is both **challenging and overwhelming!**

Our focus

- » Long-term sustainable solutions with long lifespan;
- » Full lifecycle - from design, through implementation to operation;
- » Cost effective solutions for today, meeting tomorrows needs;
- » One stop solutions provider for your harbor;

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25 Years |  **Experience**

We understand the challenges harbors face and have created smart solutions to organize and manage it all.

Smarter Solutions for Real Challenges

We believe that every solution should lead to real improvements and real benefits in your harbor.



Know what's happening.
Act when needed.

How we help

Step by Step

1. Listening to What Your Harbor Needs

Every business is unique and we take the time to understand not just what your harbor needs, but also what your clients expect.

By listening first, we ensure that every solution we provide is the right fit for your operations and customers for long-term success.



2. Finding the Right Solution

With a clear understanding of your harbor's needs, we match you with the best products and technology.

Along with that, we provide a clear turnkey plan to get everything in place — making the process simple and stress-free.



3. Delivering Turnkey Solutions

Once the plan is set, we take care of everything — delivery, setup, and full installation of your new systems. We handle the technical details, so you don't have to worry.

We set everything up with your operations in mind, ensuring an easy transition without disruptions.



4. Built to Last, Backed by Support

Our products are built to last, reducing maintenance and replacement costs over time. You invest once and benefit for years.

And if you ever need assistance, we're just a call away—ready to help with upgrades, troubleshooting, or future expansions.



What we offer

Smart Business DIGITALIZATION

with a Green Footprint 

FULL CONTROL, ANYWHERE

The world is moving fast, and more harbors are upgrading to smarter, greener systems. This shift brings better control, full visibility, and quicker response to everything on-site.

For harbors, knowing exactly what's being used, when, and how is no longer a luxury. It's a requirement. That's why modern equipment now comes with built-in software, remote access, and smart features designed to simplify daily work and reduce environmental impact.

Access control, energy monitoring, lighting, and other critical services can be managed from one place, with no need to be physically present. Everything becomes easier to follow, easier to adjust, and easier to trust.



Solution Highlights

- » Full package: equipment, structure, power, control
- » Remote access and monitoring via Emiko
- » Solar-powered systems with backup battery
- » Designed for harsh and isolated environments
- » Modular structures for lighthouses and beacons

Key Features

- » Smart equipment ready for remote automation
- » Integrated software for real-time control
- » Solutions designed for on-grid and off-grid use
- » Centralized port management for all operations
- » Reliable systems for demanding maritime conditions
- » Green Footprint Goals – Supporting UN Targets



AToN Turnkey SOLUTIONS

COMPLETE SETUP, ONE PARTNER

We take care of everything needed for safe and efficient navigation. From structures and equipment to software and power, all elements are planned, delivered, and integrated into one complete system.

There is no need to involve multiple suppliers or manage disconnected components. Each project is delivered fully prepared, with all parts working together from the start.

Our AToN solutions include modular structures, beacons, lanterns, fog signals, power supply, batteries, and remote control through Emiko. From full lighthouse setups to simple buoy installations, we make the entire process easier and more reliable.



Real-Time Marine CLIMATE

SAFETY STARTS WITH FORECAST

Understanding the environment is key to safe and well-coordinated port operations. Our climate systems provide accurate, real-time data that helps teams act early and avoid unnecessary risks.

With the Weather Station, ports can monitor weather forecasts, wind, humidity, and temperature. With OceanWatcher, they can track water levels, currents, and other key marine conditions.

All data is available through Emiko and can be accessed from anywhere, at any time.

These tools support safer decisions during docking, maneuvering, and daily planning. Instead of reacting to problems, ports can prevent them.

Operational Advantages

- » Real-time access to weather and sea data
- » Smart alerts for changing conditions
- » Improves planning and maneuvering safety
- » Data integrated into Emiko platform
- » Reduces incidents through early awareness

Modular Floating PONTOONS

BUILT TO LAST FOR DECADES

Our floating pontoons are made for long-term use in harsh marine environments. With a solid concrete core and high-buoyancy structure, they stay stable, safe, and walkable in all conditions.

The modular system allows full flexibility in layout. Platforms can be extended, reconfigured, or adapted to different functions like docking, boarding, or service access.

Thanks to the materials used, the pontoons require up to 80% less maintenance compared to traditional solutions. This means more time in use and lower lifetime costs.

Each unit combines functionality with a clean design that fits naturally into any harbor or marina setting. The mix of strength and style makes them ideal for both public and industrial applications.



Platform Advantages

- » Lifespan of 25–50 years in rough marine environments
- » Modular design with flexible layout options
- » Safe, stable, and walkable in all weather
- » Requires up to 80% less maintenance
- » Eco-friendly construction and anchoring options

UN Green Goals With Vikingegaarden

Supporting the United Nations Sustainable Development Goals through innovation and resilient harbor solutions.



7. Affordable and Clean Energy

Our solutions provide safe, reliable, and efficient access to clean energy in ports and coastal areas.

- **Reliable Access** – ensuring stable and safe energy for daily operations.
- **Renewable Integration** – products designed to work with solar and other clean sources.
- **Smart Efficiency** – monitoring consumption to optimize usage and avoid waste.



9. Industry, Innovation and Infrastructure

We build resilient infrastructure and continuously innovate to extend product life.

- **Durability** – we build products to perform reliably for even 50 years.
- **Digital Upgrades** – extending life with Emiko software instead of replacements.
- **Innovation** – smart technologies shaping the ports of tomorrow.



11. Sustainable Cities and Communities

Our solutions strengthen safety, resilience, and sustainability in port communities.

- **Longevity** – products with up to 50 years lifespan and minimal maintenance.
- **Safety** – products designed to protect people and operations in ports.
- **Eco Materials** – constructions that avoid harming marine environments.



12. Responsible Consumption and Production

We minimize waste and promote responsible use of resources throughout the product lifecycle.

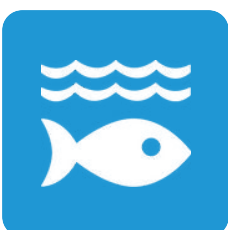
- **Extended Lifespan** – focusing on upgrades instead of replacements.
- **Resource Control** – monitoring usage to encourage responsible consumption.
- **Waste Reduction** – designing with efficiency and sustainability in mind.



13. Climate Action

We support climate goals by lowering emissions and enabling renewable adoption.

- **Emission Reduction** – replacing fuel-based energy with cleaner alternatives.
- **Renewable Ready** – self-sustaining energy with solar integration for remote locations.
- **Resilience** – helping communities adapt to climate-related challenges.



14. Life Below Water

We contribute to protecting marine life and maintaining healthier oceans.

- **Ecosystem Protection** – eco-friendly designs that respect marine habitats.
- **Water Monitoring** – tracking levels, and environmental changes.
- **Safe Navigation** – tools that improve safety while preserving marine life.

The Ultimate Harbor System

EMIKO

Simplify operations, optimize resources and stay connected – All in one place.

8,000+
active
equipments

1500+
happy
customers

18+
global
partners

Instant business overview for smarter decisions

Explore Emiko's **user-friendly map feature** for a quick and complete view of your operations.

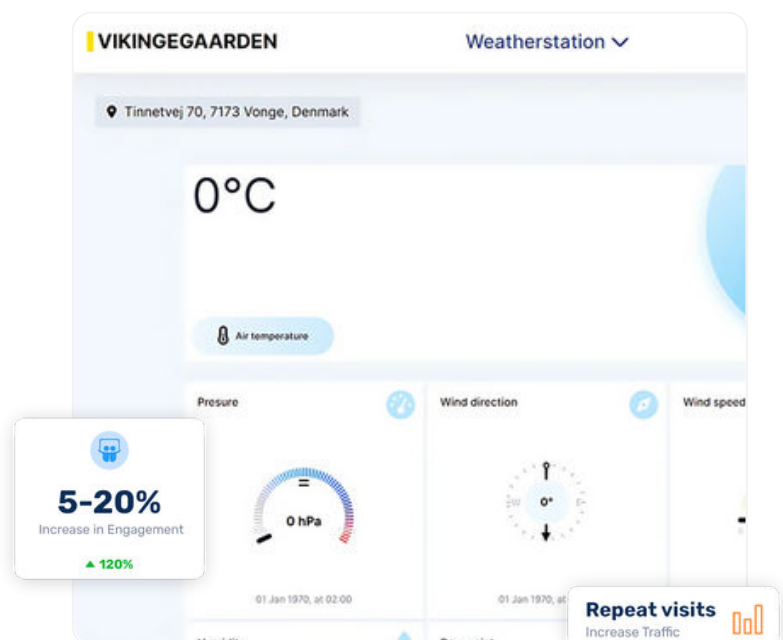
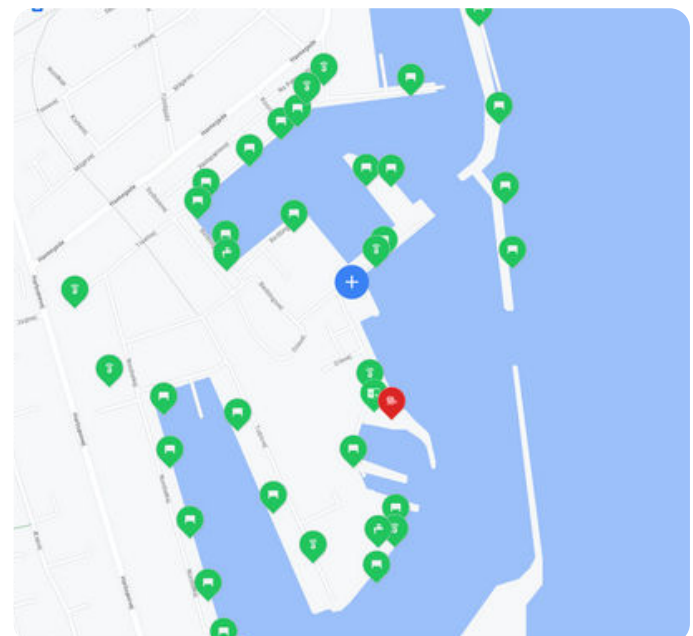
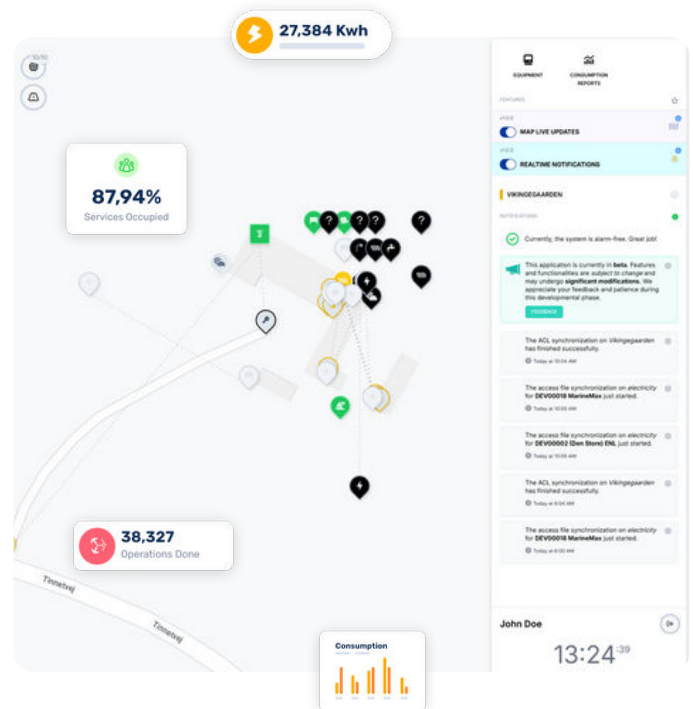
Track essential information, monitor equipment, and gain valuable insights.

- » **Interactive Map Feature** – Visualize your business operations in real time.
- » **Efficient Monitoring** – Keep track of equipment and resources with ease in one place.
- » **Green Footprint** – Reduce environmental impact by optimizing resource use and operations.
- » **Financial Savings** – Cut operational costs through smarter monitoring and better decision-making.

EasyShare data with the world

Promote transparency, improve connections and communicate better with your customers.

- » **Direct data sharing** – Share real-time updates, such as weather conditions or service availability, directly with your customers.
- » **Website Widgets** – Embed widgets into your website for instant access, ensuring visitors always have the latest updates available.



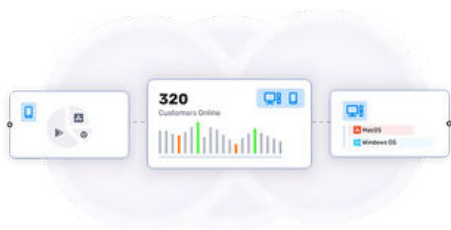
The SMART way to digitalize your harbor



Emiko understands the challenges businesses face and delivers a smart solution to simplify, organize, and optimize every process.

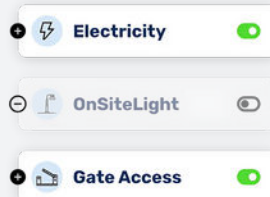
Always stay connected with customers

Reach customers on any platform with Emiko's app, offering a consistent and easy-to-use experience.



Quick Access to Services

Provide customers with instant, time-limited, or permanent access to private or public services.



Simplified Access Requests

No more waiting in line!
Customers can request access directly through the app and enjoy a smooth process.

Full control anytime, anywhere

Promote transparency, improve connections and communicate better with everyone while creating happier customers.

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Secure Transactions

Ensure reliable payments with advanced security measures.

Advanced Reporting

Generate advanced reports for all businesses.

Cross-platform App

Emiko is accessible on mobile, desktop, and other platforms.

Register in 30 seconds

Allow customers to sign up quickly and start using services.

Unified Dashboard

Monitor multiple locations and operations in one place.

Resource Optimization

Optimize resources across various businesses effectively.

Offline Equipment Alerts

Get notified instantly when equipment goes offline.

Power Interruption Warnings

Stay informed about power outages or disruptions.

Malfunction Notifications

Receive alerts for operational issues or malfunctions.

NIS2 compliance

Emiko ensures NIS2 compliance and security protocols.

Security Incidents Protection

24/7 Security Incident Response Team.

Disaster Server Recovery

Backup every 2 hours for the last 48 hours.

Customer Journey

One App for Everything

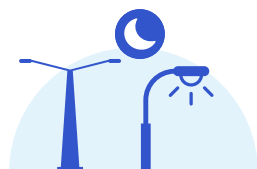
How It Works

EMIKO
SOFTWARE



See the Weather

With EasyShare, harbors can make forecasts and live updates visible directly to customers.



Control the Lights

OnSiteLight can be controlled remotely in the app, giving customers instant visibility when they need it.



Plug In for Water and Electricity

Customers connect directly to marine pedestals and water stations, activating services in seconds.



Pay Online

Customers pay directly in the app or receive an invoice for bank transfer, depending on harbor policy.



Onboard Harbor

Customers request access to the harbor straight from the app. No paperwork, no waiting.



Open Gates

Harbor gates can be opened with one tap in the app, offering secure and traceable access.



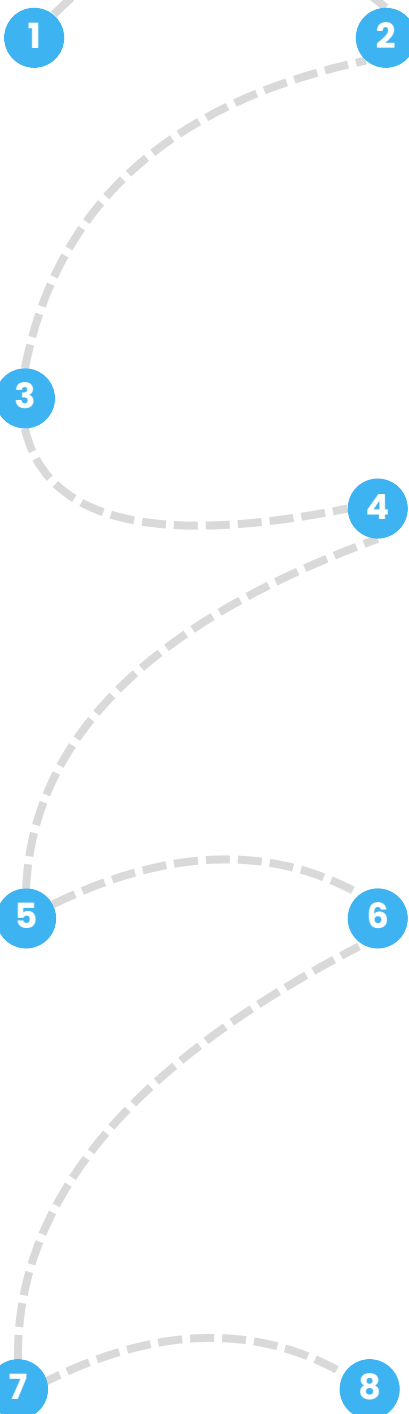
Check Your Consumption

All usage – electricity, water, lighting can be tracked in real time, ensuring full transparency.



Finish and Leave

Once finished, customers disconnect services, close lights, unplug pedestals and depart freely.



Track Consumption Anywhere

EnergyLogger

EnergyLogger monitors **heat, electricity, and water consumption** in any building, from apartments to large complexes, with reliable real-time tracking.

Track up to

256

meters in
one go

No more wires!

**Wireless
& GSM**

Cable-free
solution

Real-Time Data

**Instant
Insights**

Stay in
control

Simplified Billing

**Easy
Invoicing**

Automate
your process

Easily Manage

**Multiple
Buildings**

One system,
full control

How It Works

» Install EnergyLogger

Place the device in 30 minutes, indoors or outdoors, for easy setup.

» Connect Your Meters

Link energy, water, or heat meters via cable or wireless connection effortlessly.

» Access Emiko's Features

Get real-time data, monitor consumption, and simplify invoicing instantly.



What You'll Gain

Far Less Complex

Centralized monitoring simplifies utility management across all properties.

Ease of Billing

Automate invoicing with real-time data directly linked to tenant accounts.

Minimal Downtime

Receive instant alerts for anomalies, minimizing repair time and disruptions.

Avoid waste

Optimize energy consumption effectively by identifying and addressing inefficiencies.

Fast Reporting

Generate detailed and accurate reports with minimal administrative effort required.

Cheaper Install

GSM/WiFi communication simplifies and reduces installation costs.

Full insight & visibility

Offer clear energy data to tenants, improving satisfaction and trust.

Trusted Meter Providers

Supports high-quality **kamstrup** meters and other providers for reliable monitoring.

Limitless Applications



Industrial Harbors

- » Monitor energy consumption for cranes, cargo systems, and dockside equipment.
- » Reduce energy waste through real-time tracking and automated alerts.
- » Integrate data with port logistics systems for better operational flow.



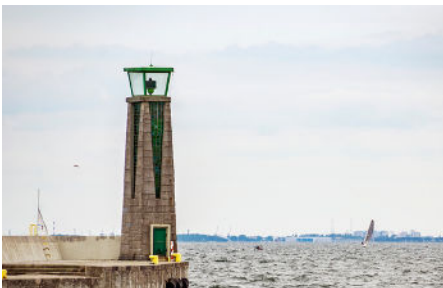
Marinas

- » Automatically generate invoices for yacht and boat owners.
- » Optimize overall marina efficiency and reduce utility losses.
- » Track electricity and water usage for each berth or dock.



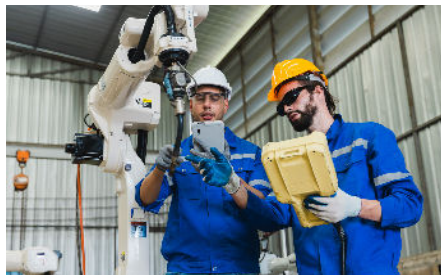
Fishing Harbors

- » Manage power supply for cold storage and fish processing units.
- » Assign energy usage per vessel for transparent invoicing.
- » Automate reporting and integrate with operational systems.



AtoN Lanterns & Emiko

- » Monitor and log energy consumption across all lanterns.
- » Detect anomalies or failures early through real-time alerts.
- » Support predictive maintenance and reduce operational downtime.



Dock Repair Zones

- » Monitor electricity and water use during repairs and refits.
- » Allocate utility costs to specific ships or maintenance jobs.
- » Promote energy-saving habits among students and staff.



Cold Storage Warehouses in Ports

- » Track energy used for refrigeration and freezing systems.
- » Set up alerts for temperature anomalies or power drops.
- » Reduce waste and ensure product safety with constant monitoring.



Floating Structures

- » Monitor utility usage even on non-fixed assets with wireless solutions.
- » Enable remote access to real-time data and usage logs.
- » Automate billing for floating rental structures or visitor access.



Port-Wide Utility Management

- » Centralize monitoring for all harbor zones (industrial, commercial & leisure).
- » Generate detailed reports to support infrastructure planning.
- » Improve budgeting by identifying high-consumption areas.



Emiko - Logger Module

We've developed our own energy logging module, built specifically to integrate with the Emiko System.

- » Dedicated to Emiko-powered solutions.
- » Enables unified control and data logging across connected devices.

Marine Power Pedestals

Reliable power and water solutions for efficient operations.

» Efficient Utility Management

Manage utilities with ease using our Marine Power Pedestals, built for marinas, ports, and harbors.

» Versatile Solutions

From small docks to large ports, they deliver reliable power, water access, and advanced connectivity.

» Smart Technology Integration

Integrated with Emiko Software, they provide real-time monitoring, remote control, and simple online payments.

» Built for Durability

Built to last, our pedestals ensure consistent performance in any environment.



Marinella

Products That Fit Any Purpose

Marinella – Compact Supply Stand

Perfect for Marina's and smaller ports, Marinella is space-saving yet powerful, offering essential utility services.

Marineium – Smart Port Solution

Medium-sized pedestals ideal for efficient utility management in fishing ports and larger Marinas.

MarinePro – Flexible Utility Stand

Designed for medium-to-large ports & harbors, MarinePro provides high capacity with customizable configurations.

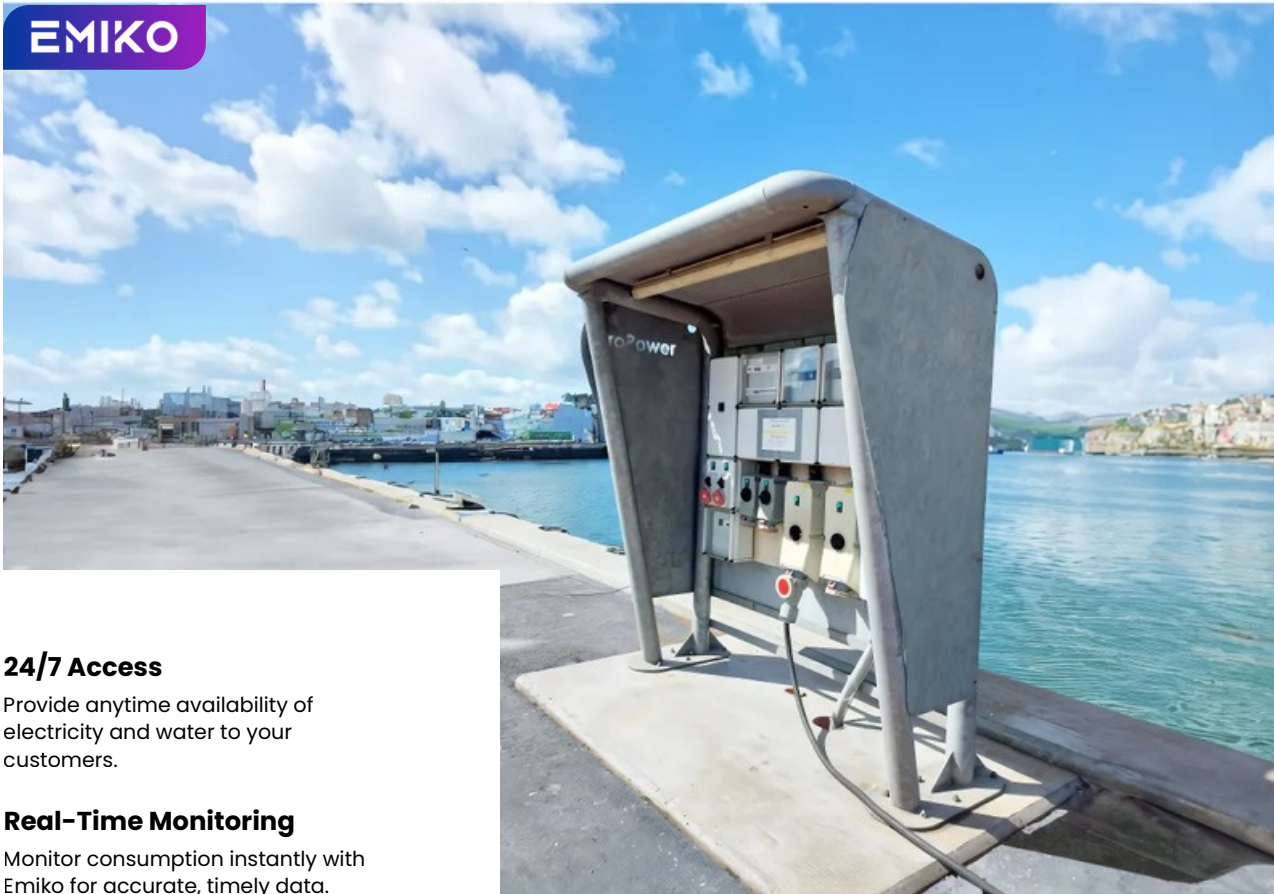
MarineMax – Heavy-Duty Service

Built for large ports & harbors, offering advanced features for demanding marine services & operations – for ships and cranes.

Ready to upgrade your marina utilities?

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EMIKO



24/7 Access

Provide anytime availability of electricity and water to your customers.

Real-Time Monitoring

Monitor consumption instantly with Emiko for accurate, timely data.

Easy Online Payments

Customers can pay directly through the Emiko Customer app.

Integrated Alarms

Quickly detect and fix malfunctions promptly through real-time monitoring.

Detailed Usage Reports

Access detailed reports anytime for efficient billing and management.

MarinePro



Marineium Pedestal

Marineium – Mid-Size Power Pedestal

» Compact but Capable

Marineium offers full smart functionality in a compact design. Ideal for docks with limited space but high performance needs.

» All-In-One Utility Access

Power and water are integrated into one pedestal, offering easy access to essential services in a clean and organized setup.

» Emiko Connected

Fully integrated with Emiko, offers remote monitoring, usage reports, customer access, and real-time alerts in one place.

» Built for Arctic Environments

Marineium is made with durable materials to handle salt, moisture, and daily use. Reliable even in harsh weather.

Smart power made simple

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Marineium

Where Marineium Fits Best

Private Marinas

Ideal for medium-sized docks with limited space and modern needs.

Public Harbors

Ideal for municipal piers upgrading without full replacement.

Fishing Ports

Robust enough for daily use in tough, salt-heavy environments.

Guest Berths & Transit Docks

Quick to install and easy to manage for changing boat traffic.

Large Marinas

Ideal for larger docks for larger boats with higher and more modern needs.

Water Station

Smart Water Supply

Our Water Stations deliver reliable access to fresh water in harbors, designed for durability, efficiency, and easy customer use. Fully integrated with Emiko Software, they provide real-time monitoring and easy management for both harbor staff and clients.

Water Supply Management

Effectively controls and distributes fresh water with a flow meter, valve, and optional drainage well, ensuring efficient and reliable operation.

Emiko Integration

Tracks water consumption in real time, giving customers and staff instant access to accurate data for monitoring, billing, and documentation.

Durable Construction

Built with marine-grade materials and optional frost-proof hydrants, designed for long-lasting performance even in Arctic maritime conditions.

Low Maintenance

Engineered for extended service life with minimal maintenance needs, reducing downtime, operational costs, and ensuring continuous availability.

Easy Installation

Delivered as a cabinet or well, the Water Station installs quickly and integrates seamlessly into existing dock setups with minimal effort.

Flexible Access

Operated through the Emiko app, RFID, SMS, or phone call, offering customers secure, flexible, and convenient access at any time.

Reliable Water Supply for Every Harbor



Upgrade Your Existing Pedestals with EMIKO



No need to replace. Just make them smart.

01. Already have pedestals?

We work with existing units, no matter the brand. If the housing is still good, there's no reason to replace it.

02. Send us your pedestals

Pack and ship the pedestals to us. We take care of everything, without complex steps. The process is simple and efficient.

03. We upgrade them with EMIKO

We install our own controller inside your units. Each pedestal is tested and sent back ready to operate like a fully smart system.

04. Reinstall. Connect. Control.

Once reinstalled, your units connect to Emiko. You gain remote access, real-time alerts, and usage tracking from one digital platform.

Why clients chose to Upgrade

Several harbor operators have already chosen to upgrade their existing pedestals by integrating them with Emiko. Here's why:

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» Frustrating Admin Interface

The old control system was slow and outdated. They needed something faster and more reliable.

» No Mobile Access for Clients

They needed easier access for clients. Emiko works on mobile and desktop, with a clean and simple interface.

» Limited Monitoring Options

They lacked real-time data and alerts. Emiko offers full visibility over usage, including historical reports.

» No Integration Possibilities

Some systems couldn't integrate with other software. Emiko is flexible and ready to scale across locations.

» Lack of Centralized Management

They needed to manage multiple sites. Emiko allows centralized control across all operations.



Pedestals from other providers, upgraded with our Emiko controller inside.

Digital Self-Service Infrastructure Powered by Emiko

Use Cases



The Client

Reykjavik Harbor, Iceland Full Digital Upgrade

Thyboron Port, Denmark Smart Integrate Emiko

The Challenge

Bought New Equipment
with Emiko Software

Kept Old Equipment and Made
It Work with Emiko Software

The Solution

Manual meter readings, delayed
departures, unreliable equipment, and
heavy staff workload.

Old equipment that was functional, but
based on outdated system and a lot of
manual work.

New Marineium, MarinePro, and MarineMax
pedestals fully integrated with Emiko
Software for app-based control, real-time
monitoring, and automated invoicing.

Kept existing physical equipment while
upgrading to Emiko Software, unlocking
real-time monitoring, online payment, and
digital access without replacing hardware.

The Results

- No on-site staff needed
- Accurate real-time data
- Self-service activation & monitoring
- Faster, transparent departures
- Secure cloud-based storage
- Staff free for priorities
- Reduced human error
- Modern customer experience

- Extended product lifespan through
software upgrade
- Reduced costs by reusing existing
infrastructure
- Digital control and invoicing with Emiko
- Long-term sustainability with modern
features

The Feedback

"What we appreciate most is the continuous
improvement. Every update brings greater
clarity and control, and we feel confident that
this solution is built for the long term, not just for
Reykjavik, but for harbors across Iceland."

– Jóhann Björn Jóhannsson

"The Emiko upgrade gave our existing
infrastructure new life. We avoided costly
replacements, gained modern digital control,
and extended the lifespan of our equipment, all
with minimal disruption."

– Thyboron Port



ShoreSupply with MarineMax

ShoreSupply provides a reliable, eco-friendly power solution for docked ships, delivering up to **328 kVA with Danfoss drivelines** and real-time monitoring via Emiko Software.



ShoreSupply: Flexible Power Solutions for Docked Ships

ShoreSupply is a reliable onshore power system designed to handle the energy needs of any docked ship.

All MarineMax Features

ShoreSupply is fully equipped with all the features of MarineMax product.

Compliance with Global Standards

Designed in line with IMO and EU environmental regulations on emission reduction in ports.

Scalable for Future Needs

Easily upgradeable to support increased energy demands or new ship types.



Advanced Onshore Power Solutions

Efficient Power Distribution

Balances energy loads, preventing strain on port infrastructure during peak demand.

Enhanced Safety Protocols

Built-in safety protocols to ensure safe power adjustments during operation.

Reduces Fuel Dependence

Cuts reliance on fossil fuels by providing clean energy from the grid or renewable sources.

User-Friendly Design

Simple setup and intuitive operation via the Emiko platform and mobile app for both operators and customers.

Power Up Your Port with ShoreSupply!

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Smart Access Control with GateKeeper

GateKeeper is a smart device that automates the opening and closing of gates, providing reliable access control for your facilities while enhancing security by logging every activity with detailed reports.

Optimized for High-Traffic Areas

GateKeeper is built to handle frequent use, making it suitable for ports, marinas, parking lots, and other busy facilities.

Built for Modern Access Needs

Tracks gate activity in real-time, logging entries and exits for monitoring and invoicing. Perfect for ports, industrial facilities, and high-traffic areas.

Multiple Access Options

From remote control via the Emiko app to RFID compatibility, GateKeeper offers flexible ways to manage gate access for all users.

Green Pass Verification

With the Emiko app's Green Pass feature, users can prove they have authorized access during control checks, confirming they are allowed in the area.

One-Click Access Requests

Users can request temporary access (e.g., one-day access) directly from the app, and harbor staff can approve it instantly with a single click.

Easy installation

Wireless functionality reduces installation time and complexity by **up to 80%**.

Environmentally Conscious Design

GateKeeper's automation reduces the need for continuous human oversight, saving energy and resources in busy facilities.

Secure Access Starts With GateKeeper



Sustainable Floating Pontoons

Designed to be long-lasting (25–50 years), these durable and modular floating pontoons offer timeless beauty, structural integrity, minimal upkeep, and reliable performance in all weather and marine conditions, while also allowing flexible design options for various waterfront applications.

Premium modular floating pontoons

Built to Last

Designed for long-term performance, with a lifespan of up to 50 years, the floating pontoons withstand decades of constant use, rough waters, and harsh weather with ease.

100% Stability & Safety

Built with re-enforced concrete and high-buoyancy design, the platform remains steady and safe to dock and disembark, let alone to walk on – even in rough waters or shifting conditions.

Design It Your Way – Any Shape, Any Size!

The modular system offers complete freedom in layout and dimensions, making it easy to build, expand, or adapt the platform to fit any waterfront project.

Minimum Maintenance

With minimal upkeep required, especially compared to traditional materials, the system saves time and reduces long-term costs – allowing more focus on use, not repairs.

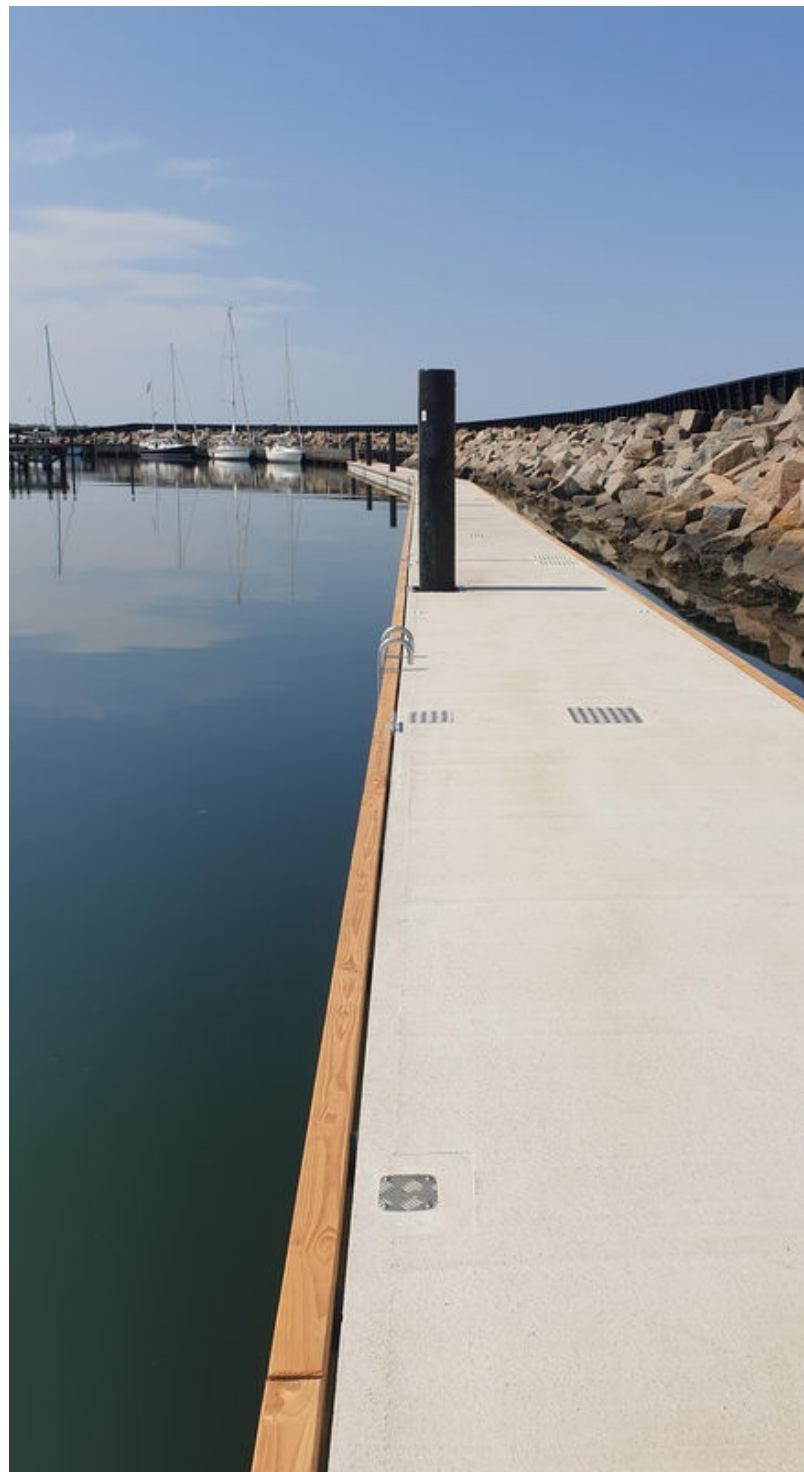
2-in-1 Strength & Style

Combining the durability of concrete with the natural elegance of wood, the design offers timeless beauty while performing reliably in demanding conditions.

Eco-Conscious Solutions

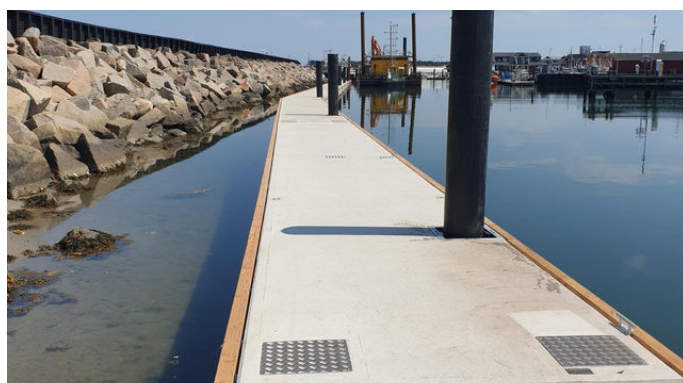
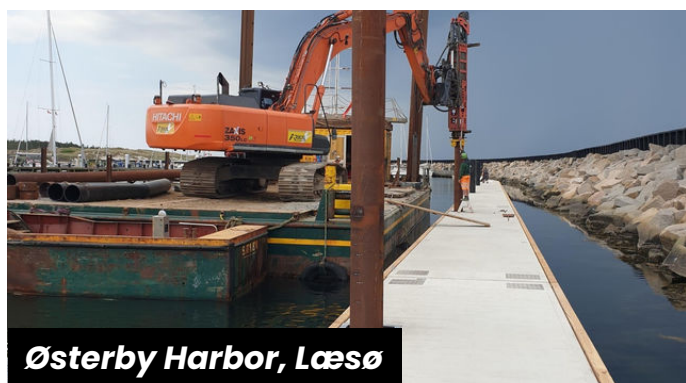
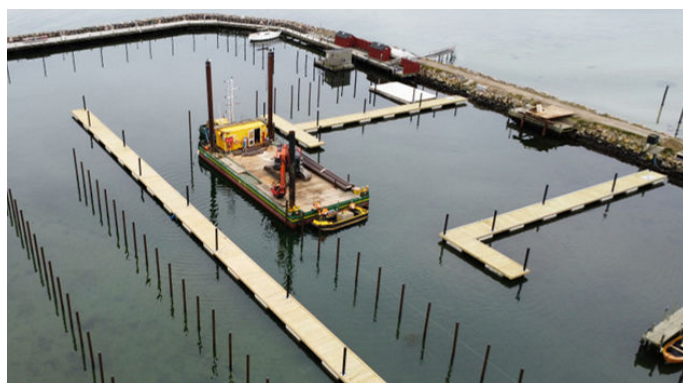
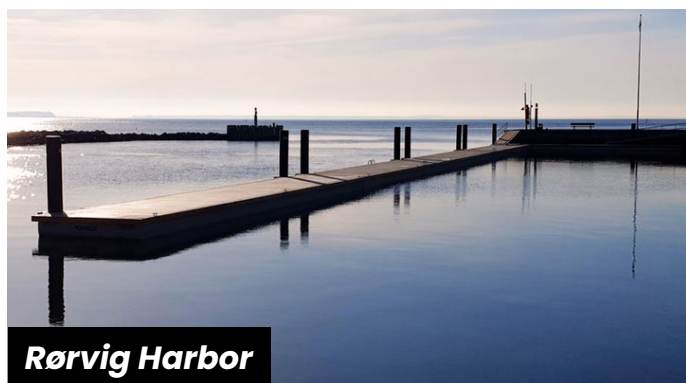
Constructed using inert and environmentally friendly materials, and anchored in ways that reduce seabed disruption, the solution support marine biodiversity and sustainable waterfront development.

**Decades of Stability.
Zero Compromise.**



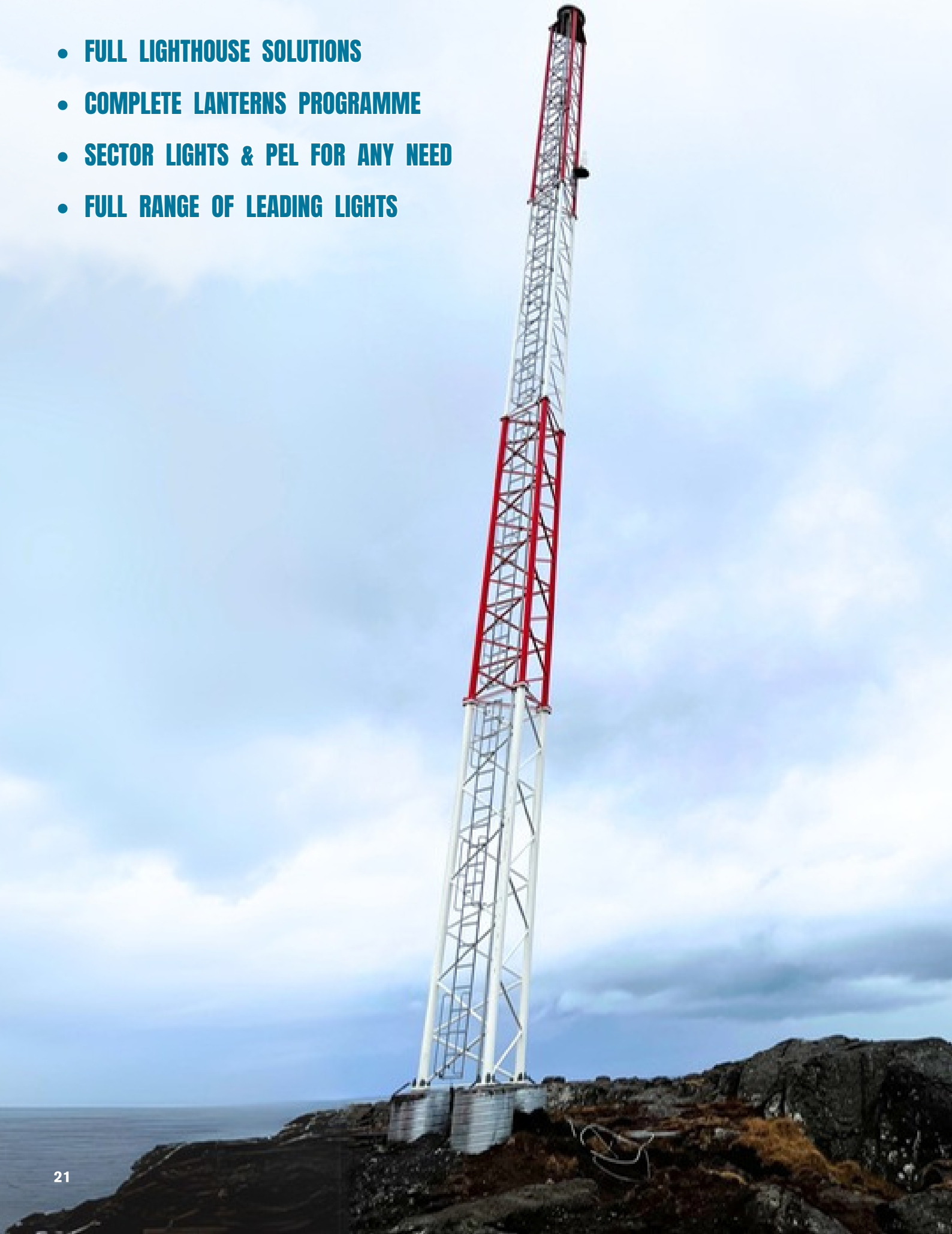
Showcase

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COMPLETE TURNKEY ATON SOLUTIONS

- FULL LIGHTHOUSE SOLUTIONS
- COMPLETE LANTERNS PROGRAMME
- SECTOR LIGHTS & PEL FOR ANY NEED
- FULL RANGE OF LEADING LIGHTS



The Ultimate System for All Marine Lights

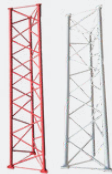
MarineGuard represents the full solution for lighthouses, lanterns, port entry, sector, and range lights, offering complete and customizable options.

Components of MarineGuard

Composed of key components designed to ensure optimal performance and reliability in maritime conditions.

Masts

Durable, customizable in height (2M to 40M), modular, and easy to maintain, available in any color.



Lanterns and Beacons

Low-power marine lights with up to 30 NM range. Arctic-ready, remotely controlled, compact, and tricolor programmable.



PowerGuard

Advanced tool with an internal battery, ensuring continuous functionality and alerting you during power outages.



Battery Backup

Ensure 24/7 operation, whether connected to the power grid or using a standalone solar-powered UPS.



Emiko Software

Monitor all equipment remotely, generate advanced reports, and manage multiple businesses with Emiko.



Why Choose MarineGuard?

+45 7580 3960

All-in-One Solution

Eliminates the need to source equipment from different providers.

PowerGuard Device

Provides at least 96 hours of operation during power failures.

Masts in any Colors

Available in any IALA color (e.g. Daymarks) and heights from 2 to 40 meters.

Arctic environments

Built for extreme marine conditions with uninterrupted operation.

Ultra-low power

Ultra-low power consumption ensures efficient, long-lasting performance.

Adjustable Intensity

High-performance lanterns and beacons provide up to 30 NM coverage.

Remote Control

Manage, configure, and monitor all marine lights from anywhere with Emiko.

Flexible Power Options

Works with grid, battery, or solar power for continuous operation.

Beacons & Lanterns

Safe in Navigation

We provide lanterns and beacons designed for precision and durability, featuring advanced technology, minimal energy use, and full compliance with IALA standards to ensure maximum safety in any environment.

Low Power Consumption

Designed for low power use, extending lifespan in remote areas and reducing costs.

Durable in Extreme Conditions

Built with corrosion-resistant materials for reliable performance in tough maritime environments.

Remote Monitoring & Control

Real-time tracking with Emiko Software for instant data and proactive management.

Quick & Easy Installation

Designed for fast deployment with minimal tools, simplifying installation while reducing labor costs and operational disruptions.

Advanced Navigation Support

Provides clear and precise signaling through high-intensity illumination and radar integration. Ensures safe and efficient vessel navigation,

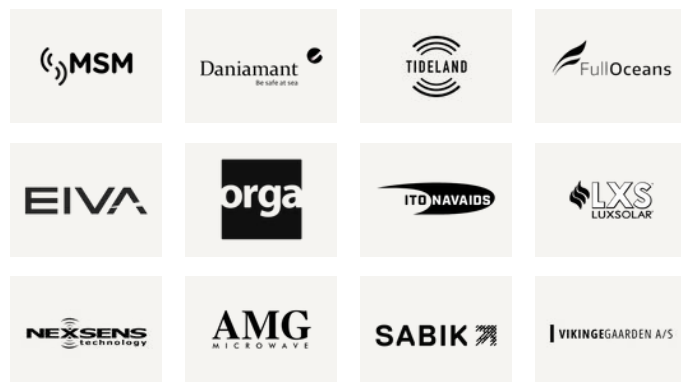
IALA Compliance

Meets international standards for safe navigation and efficient maritime operations.

Our Partners

We collaborate with trusted AtoN manufacturers from around the world to bring certified products and proven reliability to the Nordic region.

- ✓ 900+ certified AtoN products
- ✓ 100+ years of combined expertise
- ✓ Global brands, local delivery



Long-Range Visibility

Provides clear guidance for vessels across vast distances.

Solar-Powered Options

Ensures continuous operation with integrated renewable energy.

Compact & Lightweight Design

Allows for easy handling, transport, and installation.

Automatic Calibration

Self-adjusts settings to maintain optimal functionality.

Multi-Application Use

Suitable for harbors, offshore structures, and coastal navigation.



Smart Lighting Management

OnSiteLight is a smart lighting control system for ports, offices, and construction sites. It offers self-service via the Customer Emiko App, GSM, or contactless keys, ensuring energy savings and centralized control.

OnSiteLight

Smart Remote Control

Manage and adjust lighting from anywhere using the Emiko App, reducing manual work and improving efficiency.

Automatic Energy Savings

DALI communication adjusts lighting based on real-time needs, cutting energy waste, lowering costs, and improving efficiency.

Centralized Monitoring

Control and track multiple lighting systems in one place with Emiko Software, simplifying management and reducing manual work.

Flexible User Access

Set user permissions and track individual usage, allowing timed access, custom scheduling, better control, security, and accountability.

Alerts & Maintenance Notifications

Receive instant alerts for outages, maintenance needs, and unusual activity, ensuring quick response and system reliability.

Reliable for Demanding Environments

Built for ports, offices, and construction sites, ensuring dependable lighting where it matters most.

**Take Control of Your
Lighting Today!**



High-Performance Strobe Solutions

AQ-4 MkII is a durable, high-intensity strobe light for maritime, offshore, and industrial use. Waterproof to 500m, it offers flash and fixed light modes for visibility in any critical situations.



AQ-4 MkII: High-Performance Strobe Light

AQ-4 MkII is built for deep-water and industrial durability and provides a dependable lighting solution in demanding operations.

Dual-Mode Operation

Switch between flashing and fixed light for different applications.

High-Intensity LED

Provides powerful visibility in distress and safety situations.

Extreme Durability

Built for rough conditions, including deep-water submersion (up to 500m).

Long Battery Life

Runs for up to 8 hours in flashing mode with a 1.5V C-Cell battery.

Compact & Lightweight

Easy to carry and attach to equipment or personal gear.

Reliable Performance

Built for continuous use, ensuring stable visibility when needed most.

Versatile Applications

Maritime safety, offshore work, industrial sites, emergency signaling.

Stay Visible,
Stay Safe!

+45 7580 3960

Marker Lights

Reliable Navigation

Vikingegaarden's Marker Lights provide high-intensity LED illumination for buoys, moorings, fishing nets, and offshore installations. They feature customizable flash rates, synchronization, and daylight sensors to ensure visibility and safety in demanding environments.

ML-100

Multiple Power Options

Supports both battery and external power sources, allowing flexible installation for various maritime and industrial applications.

Compact & Lightweight

Designed for easy handling and quick installation, ensuring fast and secure integration into buoys, nets, and offshore structures.

Versatile Applications

Suitable for marking buoys, fishing nets, seismic cables, and offshore structures, ensuring long-lasting visibility in demanding environments.

Extended Battery Life

Optimized for energy efficiency, offering long-term performance with minimal maintenance, making it ideal for remote locations.

Easy Maintenance

Modular construction allows for quick servicing, ensuring hassle-free repairs and part replacements without extended downtime.

Multiple LED Colors

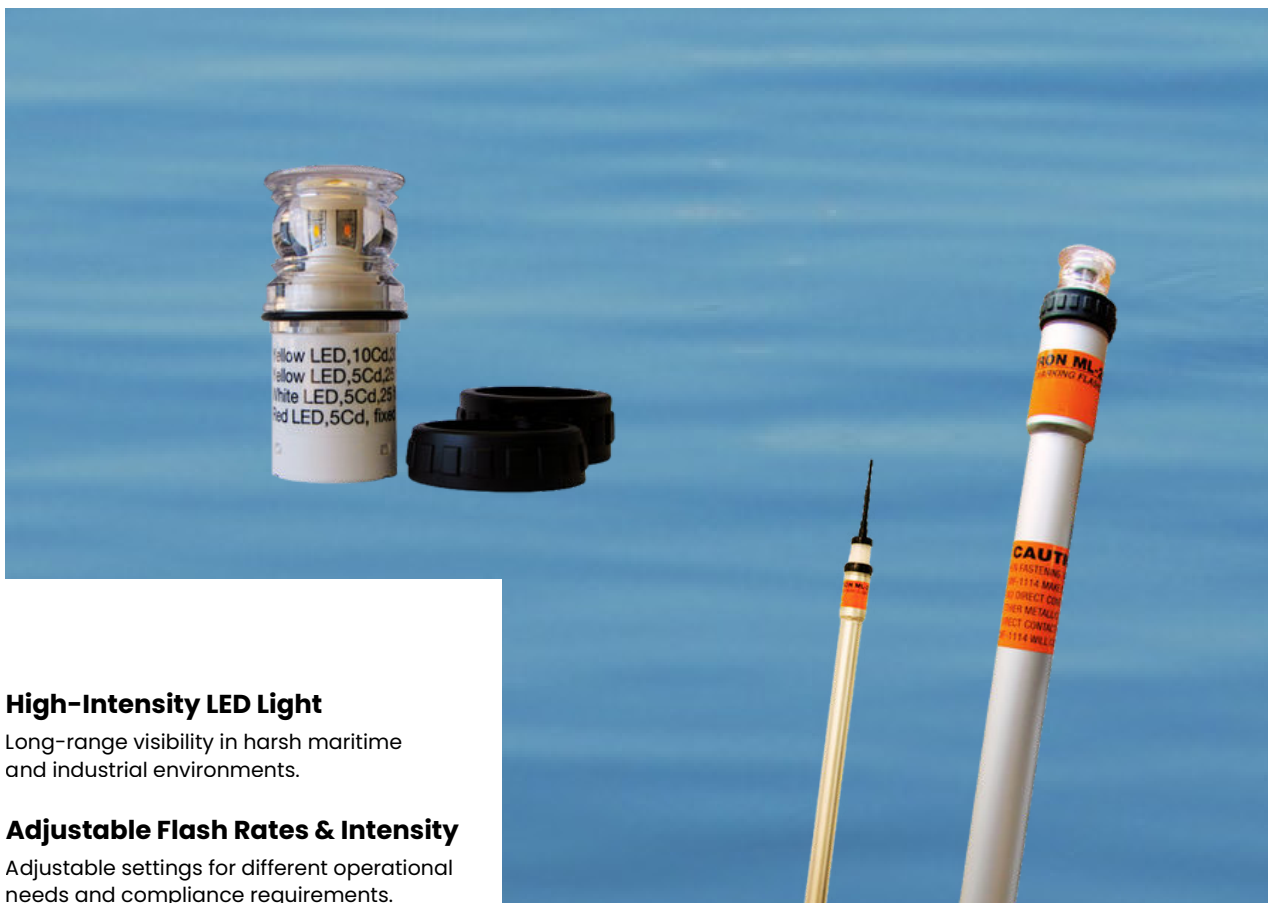
Available in white, yellow, and red to meet various marking requirements, enhancing visibility and compliance with safety regulations.

Aqua Farming Proven

The ML-300 is widely chosen for fish farms and aquaculture thanks to its durability, energy efficiency, and strong visibility in challenging offshore conditions.

Navigating with Confidence





High-Intensity LED Light

Long-range visibility in harsh maritime and industrial environments.

Adjustable Flash Rates & Intensity

Adjustable settings for different operational needs and compliance requirements.

Master-Slave Synchronization

Allows multiple lights to flash in sync for improved navigation and safety.

Auto-On Daylight Sensor

Turns on and off based on ambient light conditions, optimizing energy use.

Rugged & Waterproof Design

Built to withstand extreme weather, saltwater exposure, and deep-water submersion.

ML-200



Aviation Warning Lights

Aviation Warning Lights (AWL) are critical for air safety in areas where tall structures may interfere with low-altitude flight. These systems are designed to mark fixed obstacles like bridges, towers, wind turbines, and buildings, helping pilots detect and avoid collisions during both day and night.

Airspace Safety Compliance

AWL systems are developed to meet aviation safety standards and ensure proper visibility of high structures, in line with national and international regulations.

Long-Range Visibility

LED lighting systems provide high-intensity light signals visible from long distances, helping pilots detect obstacles early, even in poor weather or low light.

Built for Harsh Environments

Designed for coastal, offshore, and industrial locations, these lights withstand strong winds, salt, rain, and low temperatures without performance loss.

Low Power Consumption

Modern AWL units use LED technology, significantly reducing energy usage while maintaining reliable operation over long periods with minimal intervention.

Automatic Night Activation

Red lamps activate automatically at night, as required by updated aviation rules, eliminating the need for manual adjustments and reducing operational risk.

Easy System Integration

AWL systems can be integrated into remote platforms like Emiko, enabling real-time monitoring, alerts, and full control from anywhere.

Built for Airspace Protection





High Visibility

Lights can be seen from long distances in all conditions.

LED Technology

Energy-efficient systems with long lifespan and low maintenance needs.

Automatic Operation

Red lights activate at night based on aviation safety rules.

Remote Monitoring

System status and alerts accessible via Emiko or other platforms.

Fast Installation

Compact design ready for bridges, towers, or offshore structures.



Smart Weather Station Solutions

Our Smart Weather Stations provide accurate real-time data that improves planning and strengthens safety measures. Through continuous monitoring and early warnings, they protect people, assets, and daily operations in all weather conditions. Built for reliability and long-term performance, supporting critical decisions.

WeatherStation

Ensure Safety

Our Weather Stations track critical environmental factors, reducing risks from sudden weather changes and helping safeguard people, infrastructure, and operations.

Real-Time Monitoring & Forecast

With instant access to live measurements and accurate forecasts, decision-makers can plan and react without delays, reducing costly interruptions.

Early Warning System

Built-in alerts notify users of storms, strong winds, or other extreme events. These early warnings enable proactive measures that prevent damage and minimize downtime.

Optimized Planning

Accurate climate data supports scheduling of activities and resources. From daily tasks to long-term projects, planning becomes more efficient and cost-effective.

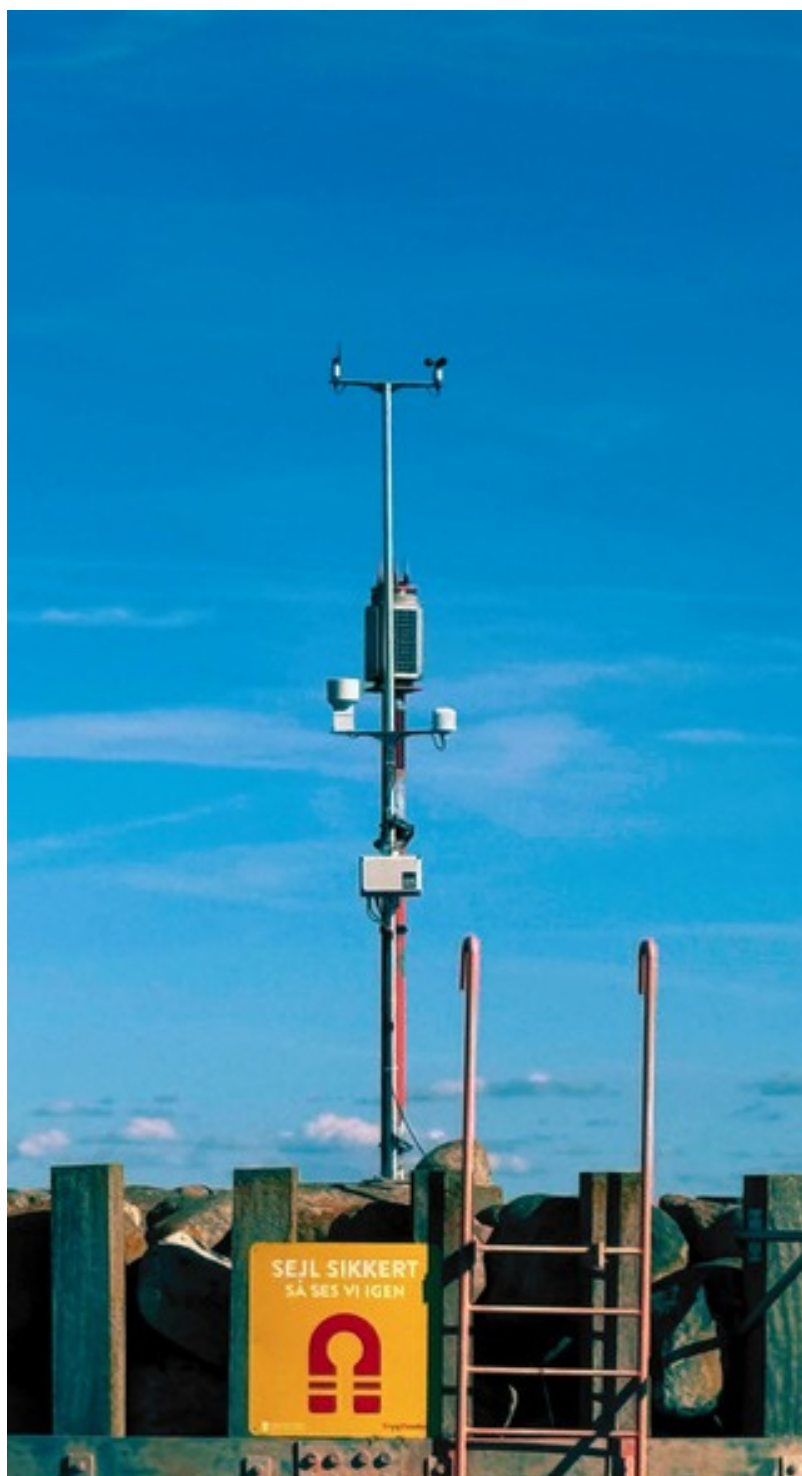
Regulatory Compliance

Weather data can be logged and reported to meet safety requirements. This ensures transparency, accountability, and alignment with international standards.

Monitor the Weather.
Minimize the Risk!

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**Real-Time Weather Insights
for Better Decisions**



Easy Share Data with Emiko

Share live data. Forecast smarter

Instant Sharing

Deliver live and reliable updates, such as weather conditions or service status, straight to your customers in real time.



Embedded Widgets

Add customizable real-time data displays directly on your website, ensuring visitors always have the latest and most relevant information.



Better Connections

Strengthen trust and communication by making data open, transparent, and easy to access across multiple platforms.



Collect

Weather Stations capture real-time data on wind, rain, temperature, and pressure.



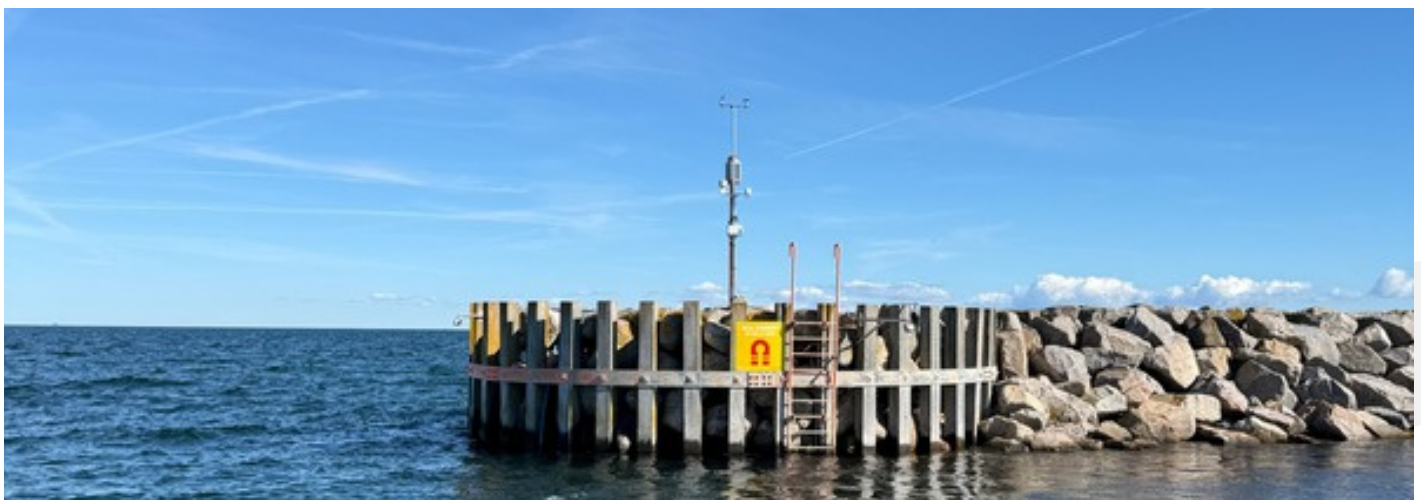
Connect

Data flows into the Emiko platform, where it is processed and ready to use.



Share

EasyShare publishes live data and forecasts instantly on websites, apps, or dashboards.



Operational Benefits for Multiple Sectors

Ports & Harbors

Enhance navigation and operational efficiency while ensuring safer cargo handling and vessel management.

Marinas and smaller ports

Ensure accurate info and safety for all harbor activities – from sailors going out, to kayak-goers, SUP and surfers.

Agriculture

Utilize real-time weather insights to optimize irrigation, improve crop protection, and boost overall yield efficiency.

Industrial Sites

Minimize downtime and ensure regulatory compliance with accurate environmental monitoring.

Constructions

Plan maintenance, reduce project delays, and improve worker safety with reliable real-time weather data.



OceanWatcher – WCM 100

Advanced Water Insights

» Accurate Water Monitoring

Get precise data on water levels, temperature, and currents to ensure effective harbor management.

» Enhanced Safety

Real-time water measurements reduce navigation risks, improving safety for inbound and outbound vessels.

» Durable and Easy to Install

Built for tough marine conditions, OceanWatcher is easy to install on bridges, wells, or surfaces.

EMIKO

Next-Gen Water Level Monitoring

OceanWatcher WLM 100 and WLM 200 provide affordable and durable water level monitoring for ports and harbors. Easy to install on quays, piers, or wells, they deliver precise radar measurements with minimal maintenance and full Emiko integration for real-time data and alerts.

Water Level Meter

Accurate Measurements

Radar technology ensures precise readings of water levels and currents, supporting safe navigation and effective port management.

Easy Installation

Designed for quick setup on quays, piers, or wells, OceanWatcher units are simple to install without extensive infrastructure.

Durability

Built with marine-grade materials, the system withstands harsh weather and water conditions, ensuring long-term reliability.

Data Sharing

Collected data can be easily shared online or directly with stakeholders, including meteorological institutes, for transparency and real-time updates.

Multiple Power Options

Supports grid, solar, and backup battery operation, making it suitable for both urban and remote harbor locations.

Minimal Maintenance

Engineered for long service intervals, with remote diagnostics and status checks that reduce the need for manual inspections.

Accurate Radar Monitoring
for Smarter Ports

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PowerGuard Solution

Self-Sustaining Power Solution for Remote & Critical Operations

» Backup Power

PowerGuard's internal battery guarantees uninterrupted operation during power outages, keeping critical systems functional.

» Off-Grid Operation

Designed for remote areas, PowerGuard provides efficient power without requiring traditional infrastructure.

» Extended Battery Life

With over 48 hours of backup power even without sunlight, PowerGuard ensures reliability in all conditions.

» Solar Panel Integration

Get renewable energy by integrating PowerGuard with solar panels, reducing dependence on external power sources.



Applications of PowerGuard

Harbors, Marine Lanters and Lights

Ideal for maritime use, powering navigation lights, buoys, and port infrastructure for enhanced safety and visibility.

Weather Stations

Keeps monitoring systems powered at remote areas, securing uninterrupted data collection for reliable forecasts.

Research Stations | Isolated Facilities

Delivers reliable, grid-free energy for research stations, isolated facilities, and industrial sites.

Endless Applications – Power Anywhere!

With its adaptable design, it can be deployed in a wide range of industries, ensuring energy access wherever you need it.

Ready to Secure
Reliable Energy?

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FlexGuard Signal Control & Monitoring

FlexGuard monitors and controls analog and digital inputs/outputs through the GSM network, making it an efficient tool for pumps, heaters, lighting, and other equipment. Compact, scalable, and easy to install, FlexGuard delivers real-time updates, customizable alerts, and improved energy efficiency for a wide range of applications.

FlexGuard

Remote Control via GSM

Operate and monitor connected devices from anywhere over the GSM network, ensuring full visibility and operational control.

Analog and Digital I/O Monitoring

Supports both analog and digital inputs/outputs, allowing precise management of pumps, heaters, lighting, and other equipment.

Real-Time Status Updates

Provides instant notifications and updates on equipment performance, enabling fast response and uninterrupted operations.

Scalable Solution

Adapts easily from small facilities to large-scale operations, making it a flexible choice for different industries.

Energy Efficiency

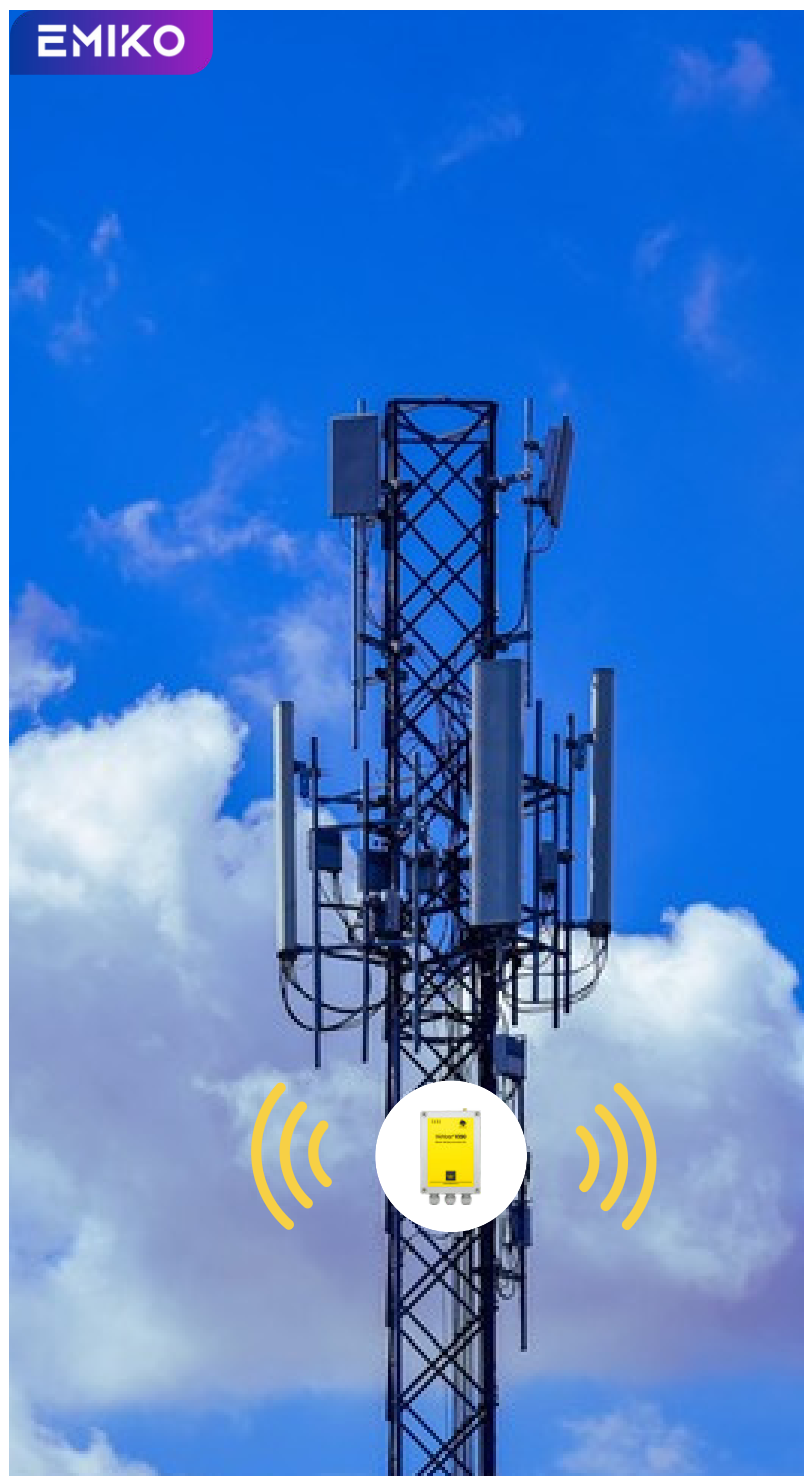
Optimize overall energy use through remote management and automation, reducing costs and supporting sustainable operations.

Easy Installation

Delivered in a compact, ready-to-use cabinet that is simple to install and integrate into existing systems, requiring minimal setup and maintenance.

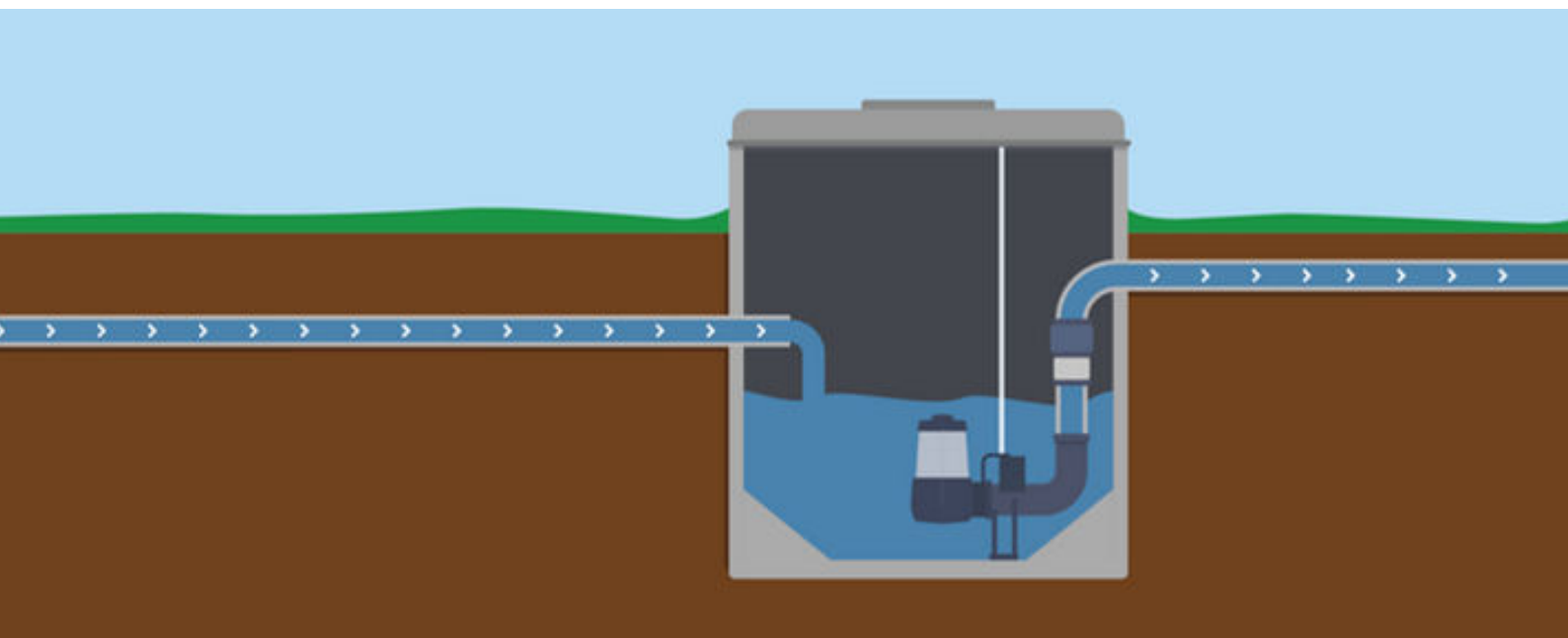
Reliable Monitoring.
Anytime. Anywhere.

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EasyPump Liquid Management System

EasyPump provides real-time monitoring and control of liquid reservoirs and distribution systems. Designed for efficiency and reliability, it reduces waste, improves safety, and ensures operations.



EasyPump Remote Access **Reliable Tank Control**

Monitor and control your tanks from any location, with instant alerts and reliable performance.

Real-Time Level Tracking

Continuously monitors tank levels and provides instant alerts, ensuring safe and reliable storage management.

Remote Pump Control

Operate and adjust pumps from any location, giving full flexibility and quick response when needed.

Leak & Anomaly Detection

Identifies irregular changes in liquid levels and alerts users early, helping prevent damage and downtime.

Durable Tank Control
for Lasting Performance

Optimized Resource Use

Reduces waste and improves efficiency by monitoring consumption and automating system control.

Easy Integration & Installation

Simple to install and fully compatible with both small facilities and large-scale operational networks worldwide.

Automatic Data Logging

Records historical data for analysis, supporting accurate reporting and long-term performance tracking.

Durable Design

Built with high-quality materials to withstand demanding conditions and ensure long-term performance.



Complete Solutions in One Place

Complete

Turn-Key Solutions

We provide a complete solution set up to fit your business and ready to deliver results from the start.



Process

We Handle All the Process

We take care of everything from start to finish. You don't have to coordinate or manage anything yourself.



All Products in One Place No More Searching for Different Suppliers

You don't need to search in different places for products, equipment, or management tools, and you don't need to deal with multiple suppliers.

We work with certified global brands and over 25 trusted partnerships, bringing everything together in one place.



Future-Proof

Next Gen Software Technology

We use the latest technology for long-lasting performance, security, and constant upgrades.

Cost-Saving & Durability

Solutions Built to Last Save Money for Decades

Our products are made to last for decades. By investing once, you avoid constant replacements and save money year after year.



Get In Touch

Let's Talk Solutions Direct Contact, Real Answers

No forms, no delays. Call us and talk to our team.



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**It's All Here.
Everything You Need,
In One Place.**

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GREEN HARBOR TECHNOLOGY**

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ABOUT US

In a data-driven world, Vikingegaarden A/S stands as the expert partner, guiding you to unlock the value of data wherever you are.

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