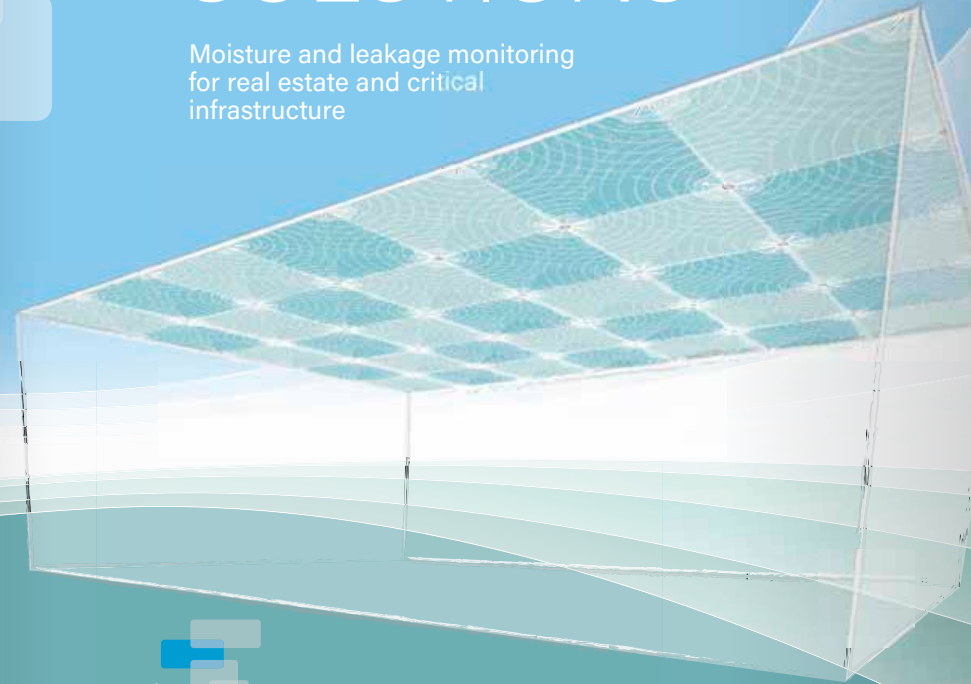


# IQM SCAN<sup>®</sup> MONITORING SOLUTIONS

Moisture and leakage monitoring  
for real estate and critical  
infrastructure



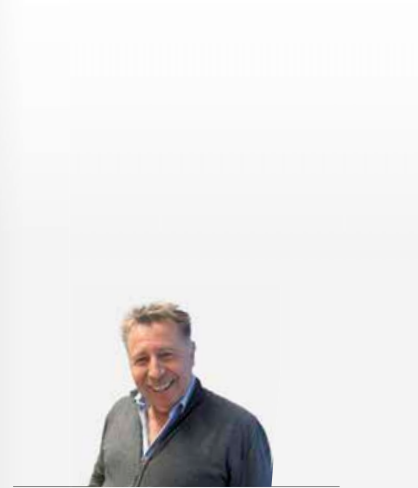
  
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We provide the best possible solutions for monitoring your real estate and other critical infrastructure in regard to water ingress and moisture. Our approach simply is to make things work as fast, cost efficient and as minimally invasive as possible.

Marko Taferner, Founder & CEO

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## IQM SCAN<sup>®</sup> MONITORING SYSTEM

The IQM Scan® monitoring system is a state-of-the-art solution that provides unrivalled security and control in a wide range of applications. Whether protecting critical infrastructure such as data centres or securing sensitive environments such as museums, IQM Scan® technology provides advanced monitoring to detect potential risks, prevent widespread damage and ensure the integrity of valuable assets. With precise technology and user-centred design, IQM Scan® provides security and confidence to professionals in all industries.

## IQM SCAN® MONITORING SYSTEM



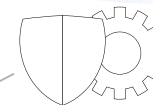
**24-7 monitoring**  
Measurements at freely definable intervals, customised to fit your needs



**Alarm upon moisture ingress**  
Alarm notification sent to freely definable contacts if limit values are exceeded



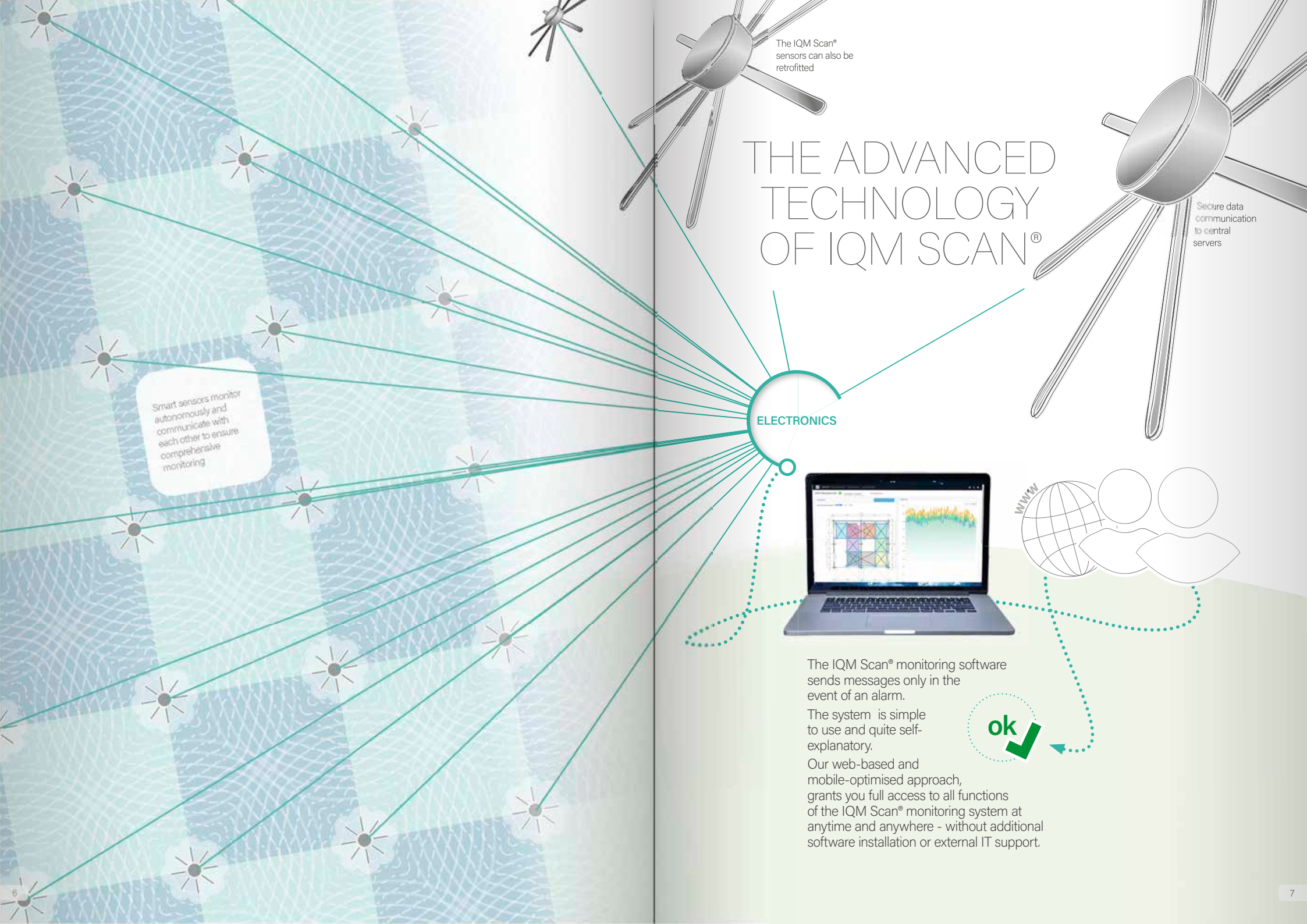
**Customisable system control**  
Each system can be customised and configured to suit individual requirements



**Operational safety**  
Trust that your properties are monitored by a reliable system



**Cost savings**  
Prevent major damage and reduce repair costs through early detection



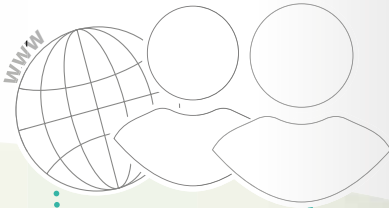
The IQM Scan® sensors can also be retrofitted

# THE ADVANCED TECHNOLOGY OF IQM SCAN®

Secure data communication to central servers

Smart sensors monitor autonomously and communicate with each other to ensure comprehensive monitoring

ELECTRONICS

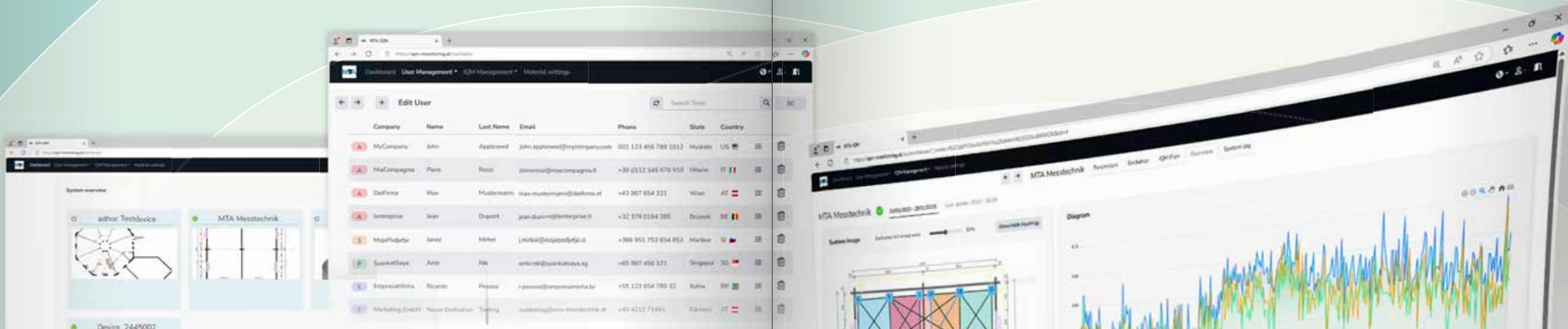


The IQM Scan® monitoring software sends messages only in the event of an alarm.

The system is simple to use and quite self-explanatory.

Our web-based and mobile-optimised approach, grants you full access to all functions of the IQM Scan® monitoring system at anytime and anywhere - without additional software installation or external IT support.





# FAST'N'EASY

The IQM Scan® monitoring software is built around your needs and user experience.

Whether you are in the office or on the move, system-access is simple and straightforward with virtually any type of end device.

The secure log-in allows you to see the status of your systems and relevant system information at a glance.

You can create analyses, narrow down any active alarms on the plan or just update user roles and emergency contacts.

All within a web application - without the effort of installation and available at any time.

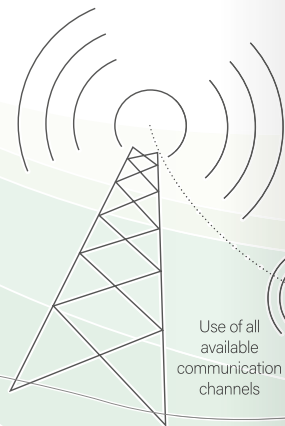
Personal login with customised user rights



Your IQM Scan® monitored facilities



The IQM Scan® offers its own data transfer system

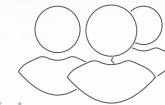


Use of all available communication channels



Immediate alerts

Alerts are sent within user defined intervals.



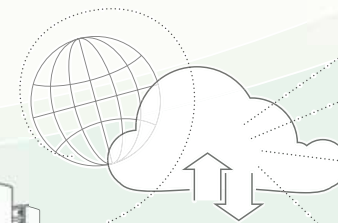
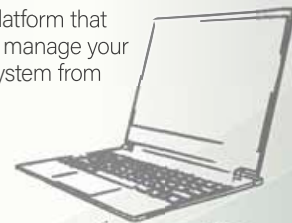
Powerful user- & role management

Multiple users across multiple projects with varying permissions? - done.

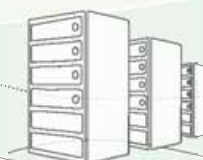


Easy setup and ease of use

An intuitive platform that allows you to manage your IQM Scan® system from anywhere.



Using the cloud for alert notifications to reach you immediately



Secure IQM Scan® servers



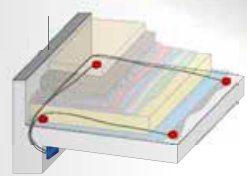


# FLAT ROOFS

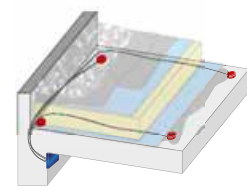
Monitoring and detection of water ingress due to damage to the roof

- trouble free subsequent installation
- ideal for green roofs & solar panel installations

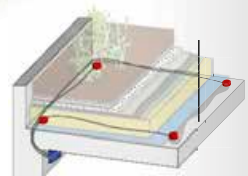
Flat roofs pose specific requirements for monitoring systems. The IQM Scan® monitoring system meets these requirements, regardless of the roof type. It can be installed easily – in new buildings or as a retrofit – without compromising the roof seal. This ensures the roof's integrity is maintained. The IQM Scan® technology offers a flexible, reliable solution that integrates seamlessly and ensures maximum efficiency.



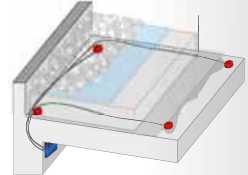
trafficable roof



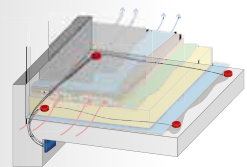
warm roof



Inverted roof - greened roofs



Inverted roofs - gravel ballast



cold roof - vented



conductive film

IQM Scan® probe



The IQM Scan® monitoring system detects otherwise invisible water ingress and informs you immediately

steel band

water ingress

measuring line

glued laminated timber



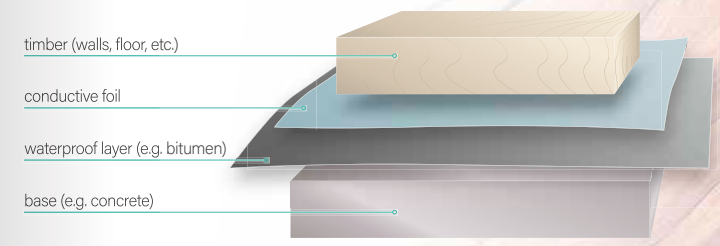
We solve the problem of monitoring water ingress within glued laminated timber beams by integration of our IQM Scan® monitoring system into the timber. This technology is probably the most reliable and cost effective way to prevent damage.

# SMART GLUED LAMINATED TIMBER



# PREFABRICATED HOUSES & TIMBER FRAME CONSTRUCTION

The monitoring challenge here is mainly to look out for moisture that shall not enter the general construction. By using conductive foils around the wooden structures and a potentially moist environment, the system can easily help you keep your buildings safe.





inner wall

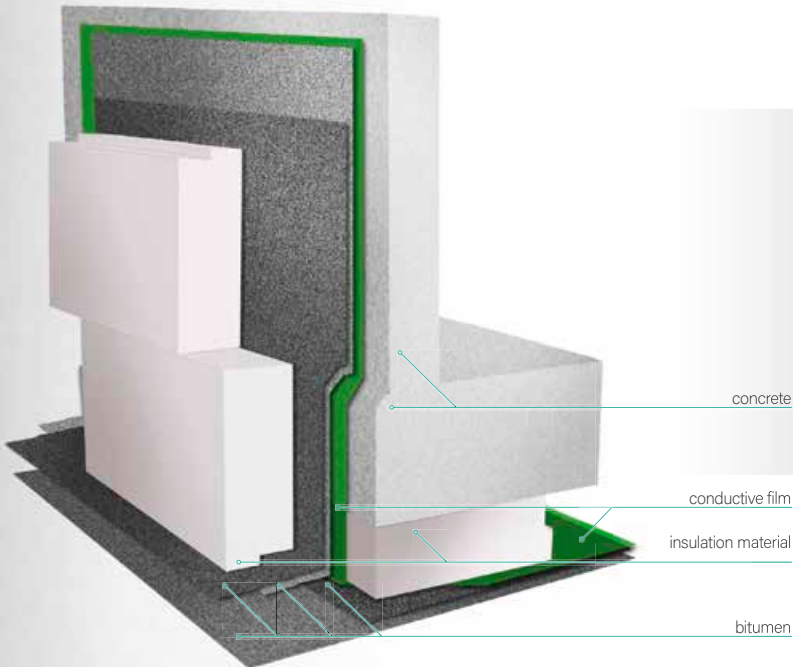
waterproof concrete



The monitoring-system is built into the construction

# WHITE TANK

The IQM Scan® monitoring system is suitable for both black and white tanks to detect moisture and leaks early on. In black tanks, it monitors the sealing of structures against hydrostatic pressure, while in white tanks, it monitors wall and floor areas in dry zones. Continuous monitoring and immediate alarm triggering ensure maximum safety and help prevent costly repairs and damage to the structure.



concrete

conductive film

insulation material

bitumen

# BLACK TANK



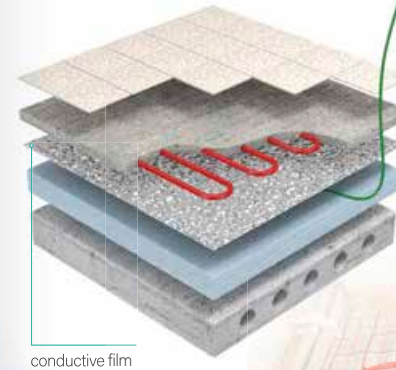
# PREFABRICATED WET CELLS FOR CRUISERS

Leak detection in wet rooms and sanitary areas of cruise ships

The IQM Scan® monitoring system is also effectively used in cruise ships. The system is integrated during production into prefabricated wet rooms and sanitary areas to detect moisture and potential leaks early on. Continuous monitoring helps prevent damage to the infrastructure and costly repairs. The system ensures reliable safety and efficiency by triggering immediate alarms for moisture issues and extending the lifespan of cruisers.

# HEATING SYSTEMS & HOUSE INSTALLATIONS

The IQM Scan® monitoring system efficiently monitors the tightness of underfloor heating and home installations. It detects leaks early on and sends immediate alerts, enabling quick detection of damage and preventing high repair costs. Through its innovative monitoring method, it increases safety and ensures protection against costly consequential damage caused by pipe leaks. This proactive system helps maintain the integrity of installations and reduces the risk of expensive repairs.



conductive film



# POOLS & BASINS

Early leak detection and protection for swimming pools with IQM Scan® monitoring technology



Preparing for installation



Conductive foil installation



Finalisation of the installation

The IQM Scan® monitoring system provides a reliable solution for pool monitoring. It detects water losses early due to leaks in the pool, pipes or seals and sends an alarm. This allows for quick damage repair, minimises water losses and prevents costly repairs.

Continuous monitoring ensures maximum safety and efficiency – for private pools, wellness areas or public swimming pools.

On glass facades, moisture can remain undetected for a long time, causing damage. Even small leaks due to weather, mechanical damage or manufacturing defects, such as in joints, can have major consequences. The IQM Scan® monitoring system monitors these areas and triggers an alarm upon moisture ingress, enabling early detection of damage and reducing follow-up costs.

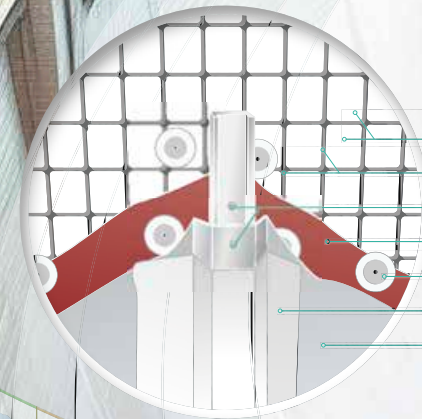
## GLASSWALLS

Early moisture detection on glass walls and facades with IQM Scan® monitoring.

## DAMS & RESERVOIRS

IQM Scan® monitoring system detects moisture in dams early, ensuring structural integrity.

The smart IQM Scan® technology monitors dams, detects moisture issues early, and ensures structural integrity. This enables timely damage detection and prevents high repair costs.



- concrete wall
- plastic grid for drainage
- fastenings of metal-profiles
- conductive film
- fastenings
- PVC tape
- PVC membrane

Schematics of the IQM Scan® measuring fields



# CONDUCTIVE FILM

Specifically in new constructions, a conductive layer can be used as the IQM Scan® monitoring electrode.

The extremely thin film is made from a material-optimised, highly conductive material. This layer allows for precise measurement and monitoring of moisture ingress by capturing conductivity values and transmitting them to the electronics unit. Its advantages include minimal material thickness and high conductivity, ensuring fast and reliable moisture detection.

Conductive film with special coating



EPDM liner 1

conductive foil

connection

EPDM liner 2

fleece

tank wall

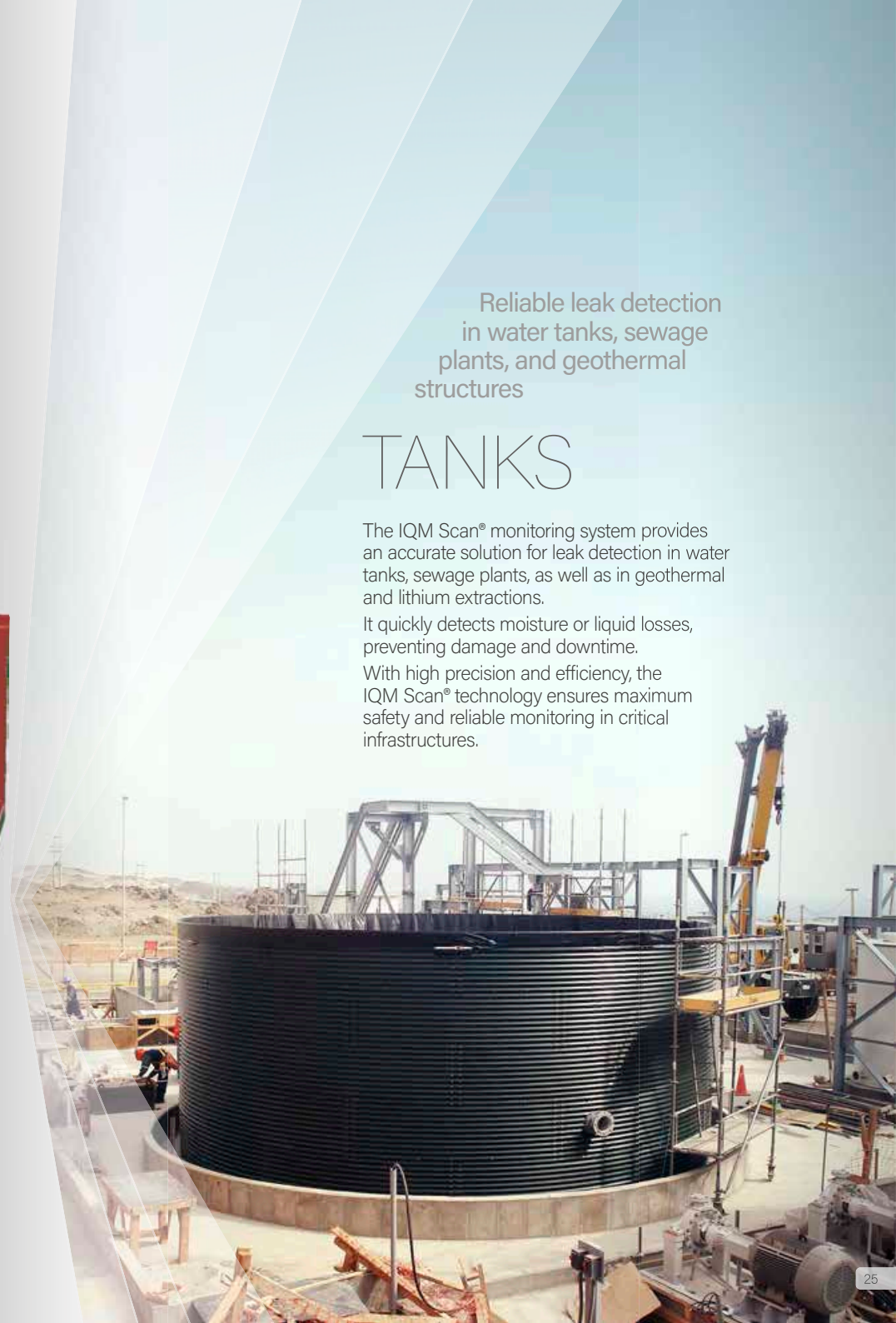
Reliable leak detection in water tanks, sewage plants, and geothermal structures

# TANKS

The IQM Scan® monitoring system provides an accurate solution for leak detection in water tanks, sewage plants, as well as in geothermal and lithium extractions.

It quickly detects moisture or liquid losses, preventing damage and downtime.

With high precision and efficiency, the IQM Scan® technology ensures maximum safety and reliable monitoring in critical infrastructures.



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