

About us

All-round security for industrial systems

viamon produces and distributes innovative security systems for critical infrastructures. Our self-developed system consists of a combination of different sensors that effectively protect all components of your asset.

TRAPS (Theft Reconnaissance Access Protection System) combines advanced technologies that complement each other. TRAPS offers the advantages of object protection sensors, fault detectors, global GPS positioning and monitoring in a unique security concept. By integrating reactive and preventive components, TRAPS ensures cost-effective protection, reduces high insurance-critical loss ratios and increases security through additional services.

Our patented sensor technology detects theft in real time and pinpoints the exact location of stolen items if theft occurs, anywhere in the world. Designed, developed and built in Germany.

We are also there for you after installation. Our service team will look after your system on an ongoing basis and ensure that everything runs reliably today, tomorrow and in the future.



Cable Protection



Photovoltaic Protection



Construction-Site Protection



Battery Protection



Cyber Security

Contact

 viamon GmbH
Merkurstraße 3A
67663 Kaiserslautern
Germany

 +49 631 343592-0

 sales@viamon.com

 www.viamon.com



Security. Global. Innovative.





Allround Security for Industrial Plants
through sensor technology, prevention & service



Protection for all Areas
Objects, perimeter, IT Infrastructure from Construction to Operating phase and beyond



Flexible Integration
in new or existing systems



Global & Innovative
Open to technology: GPS, AI, Drone, Infrared

17+
countries active

450+
projects under control

3.500+
MWp capacity protected

30.000+
security-sensors installed

For Insurance Companies

Copper cables, inverters – all these and much more are attractive targets for theft and manipulation.

Where conventional measures reach their limits, viamon technology comes into play. viamon protects where it really counts: directly at the critical components.

We help insurers to precisely assess risks and reduce damage.

Our aim is to use customized security concepts to detect theft, vandalism, and sabotage at an early stage, respond as quickly as possible, locate the affected assets precisely, and minimize the economic damage for operators and investors.

- 15 years of experience in the security sector
- numerous monitored systems worldwide
- close cooperation with investigating authorities, insurers & operators
- findings from real cases of damage: Copper, cables, inverters, modules
- technological leadership: sensor fusion, AI, drone integration
- low loss ratio: Proven to be more effective, minor damage, early detection
- Risk Management: Systematic process for identifying, assessing and managing risks
- customized security concept & economic advantages
- individual & continuous support by trained security experts; attractive price-performance ratio



Engineered



to fit



your



individual



needs.

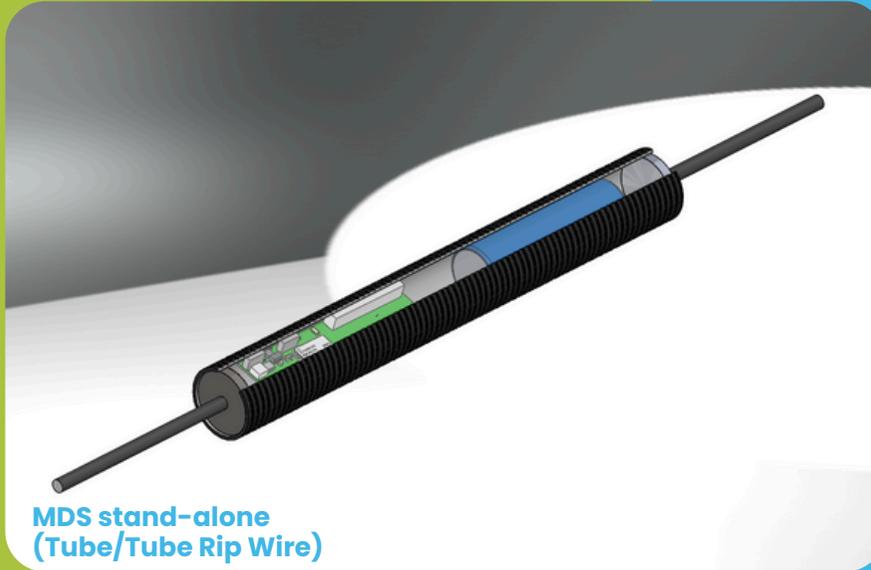
Products



Drone Cover



CCTV



MDS stand-alone
(Tube/Tube Rip Wire)



Warning Bar
(with Jamming Detection)



MDS stand-alone (Infrared)
MDS-PIR



MDS Integrated (MDS 6th & 7th generation)



Men & Dog Simulation

References

 <https://viamon.com/en/references/>

 <https://viamon.com/en/products/>

Alarm Chain & Response Process

1. Preparation & Prevention

Threats often begin long before an incident occurs. Our security concept therefore starts with preventive measures:

- Risk assessment and reconnaissance analysis, including potential insider information
- Construction site security and controlled access protection
- Protection of storage and laydown areas as well as high-value assets
- Discreet, hidden sensor placement directly on or within components
- Strict confidentiality of all security-relevant information

2. Detection & Intelligent Alarm Trigger

Our sensor systems continuously monitor assets for suspicious activity such as:

- Vibration and movement
- Angle or position changes
- Unauthorized cable pulling or component removal

Each sensor is individually calibrated by our IT and engineering teams to match the specific environment, asset type, and risk profile of the site. Once an anomaly is detected, a configurable delay can be applied before the alarm sequence starts.



Alarm Chain & Response Process

3. Warning & Immediate Notification

As part of the alarm chain:

- An on-site warning bar and human presence simulation is activated as a first deterrent (timing and duration individually adjustable)
- At the same time, the customer is notified instantly via the viamon Portal (notification channels configurable: SMS, phone call, etc.)
- In parallel, the responsible monitoring center or alarm response unit assigned to the project is alerted

The incident is then actively tracked and handled in real time. Further procedural details are available upon request.

4. Tracking & Evidence Collection

It can happen that assets are moved or stolen, tracking and investigation capabilities remain active:

- Transmission of precise GPS/GNSS location data
- Transport tracking via sensor, GSM, and mobile network triangulation
- Detection of transport routes and potential hiding locations
- Collection and correlation of all relevant data
- Data interpretation and triangulation for evidence generation
- Coordinated communication with police and private investigators

5. Recovery & Incident Resolution

In the recovery phase, we support coordinated response operations:

- Monitoring of distribution, resale, or operational use of stolen goods
- Combined operations with police, O&M teams, and asset owners
- Documentation and delivery of a Theft Incident Report





Oliver Strecke
CEO



Christina Strecke
CFO



Gerald Eberhard
CTO



Timo Braunstein
Head of Project Management



Alina Baumgärtner
CEO Assistant/Sales



Malia Cobb
Strategic Marketing/Sales



Contact



viamon GmbH
Merkurstraße 3A
67663 Kaiserslautern
Germany



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