



MODOR – Smart Systems

Europasingel 2
7681NA, Vroomshoop
The Netherlands
T: +31 (0)628404410
E: contact@modor.nl
W: www.modor.nl

Transport Monitoring – Machine Monitoring – Warehouse Monitoring



Introduction



- Why monitoring



Profit



Every commercial organization needs to be profitable. An important factor to be profitable is customer satisfaction. To reach this goal great products and flowless services against low costs have to be delivered. A big challenge!

If we take a closer look at the factors influencing this goal, most companies have to conclude that their Supply Chain is a blind spot.

Performance of logistic partners are not know, records of damaged products are not available, on-time delivery percentages are not know, an overview of warranty claims is not available, costs of scrap and rework are not tracked etc.. These are hard factors, soft factors like customer experiences, good company name downside are even harder to value and evaluate.

Therefore: Information please about our Supply Chain performance and consequential damages!

Good news: We are here to support you!

MODOR – Smart Systems provides the tools to deliver undamaged products in the most efficient and controlled way. No more blind spots in your Supply Chain!

Integration of these technologies provides necessary data to measure, analyze, improve and control the performance of internal organizations, suppliers and logistic partners.

Locating and sensing technology provides the tools to proof that products are handled in a correct, controlled and documented way during transportation, handling and storage.

At MODOR – Smart Systems we have the knowledge to provide monitoring products and services to guide organizations aiming for 100% satisfied customers and flowless working products against reduced costs!



- **Company and mission**



Mission statement

MODOR – Smart Systems guides and supports organizations to adept and integrate automated locating and sensing technology throughout the complete Supply Chain of products and services. We provide the tools to deliver undamaged products in the most efficient and controlled way.



Company overview

MODOR – Smart Systems is a young company founded by Arjan de Olde. He turned his interest and knowledge of sensor technology into a company. With our knowledge of heavy machinery, instrumentation, production equipment and medical devices we advise our customers the best method to transport and store products by measuring shocks, vibrations, tilt, temperature and humidity. We are dealer for MoniLog and Spotsee brands. Next to transport monitoring systems we provide machine monitoring systems and warehouse monitoring systems. Starting from shock indicator stickers up to high end off-shore condition monitoring systems. Our customers are aiming to design, manufacture, supply and store products which are suitable for their intended use, we support them with product (re)design, packing design and organizational improvements.



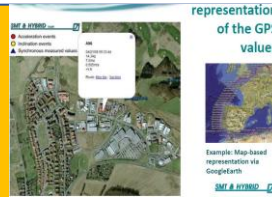


- Monitoring



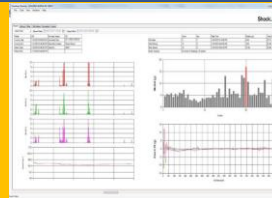
Transport monitoring

A data logger is attached to a product or packing during transportation or storage. The logger will measure shocks, vibration, tilt, temperature and humidity. Acceptable limits can be set on beforehand via PC's or mobile devices. Data and alarms can be sent by the data logger via GPS, GSM, Bluetooth or wired connection. Gathered data can be visualized on dashboards, send to selected email addresses in Excel format and uploaded to a customer data base or into the cloud. Data can be analyzed for further actions.



Condition monitoring

A combined shock and vibration sensor can be attached to rotating equipment to receive real-time data of the condition from monitored machinery. Trends can be recognized and prediction of maintenance can be scheduled in a structured way. Alarms and thresholds can be set before damages occur. Suspicious equipment can be monitored for a short period. Once the customer is familiar with the system and historical data is analyzed, a program based on condition based maintenance can be implemented.





• Monitoring



Warehouse monitoring

All transport monitoring device are suitable to monitor products and packages in storage. We also supply low cost impact indicators, tilt indicators and flexible indicators for a selection of applications and weights. They have adhesive backings for easy mounting on carton, wood, glass, plastic and metal surfaces. The majority of these indicators are equipped with an indicator showing a red colour if the product or package is mishandled. This is a trigger to inspect the goods.



Data handling

Data send or extracted from the data loggers are visualized on PC's, Ipad and mobile devices showing graphs and diagrams. Data can be send via email as an (Excel) attachment and send to other selected persons. Data can also be integrated into Transport Management Systems (TMS), Warehouse Management Systems (WMS), Condition Based Maintenance and Monitoring Systems (CBM) or ERP systems. On dashboards all connected data loggers are followed all over the world via GPS or GSM. Data can be stored on customer servers, in the cloud or at our data servers.





• Services



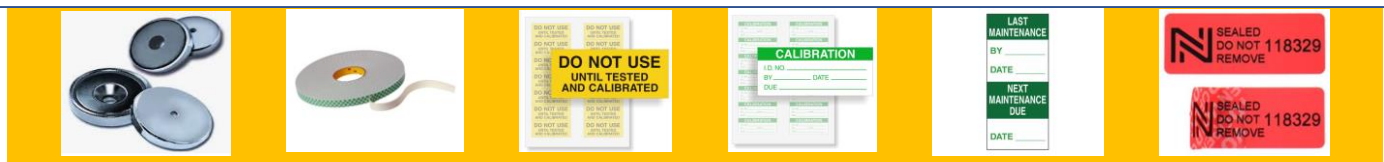
Service works

- Calibration Services
- Mounting of data loggers
- Training and instruction
- Development support for products, packing and interiors, special crates, containers and flight cases
- Data review and advise
- Service hotline
- Consultancy for locating and sensing technology integration, change management and quality improvement programs



Service products

- Warning stickers on packing or goods (visual indications that product is monitored)
- Expiry date stickers (battery replacement required/sensor calibration required)
- Break seal stickers (indication that data logger has not been compromised)
- Customer specific sticker requests
- Data logger mounting products (pedestals, mounting plates, magnets, adhesive tapes)
- Customer specific Instruction sheets





- Contact & Links



Contact

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Links

Websites from our partners:

www.monilog.com

www.spotsee.io