



ROCK motion recorders
Vibration compliance solution
Product Line Brochure

SMART CITIES – SMARTER VIBRATION MONITORING

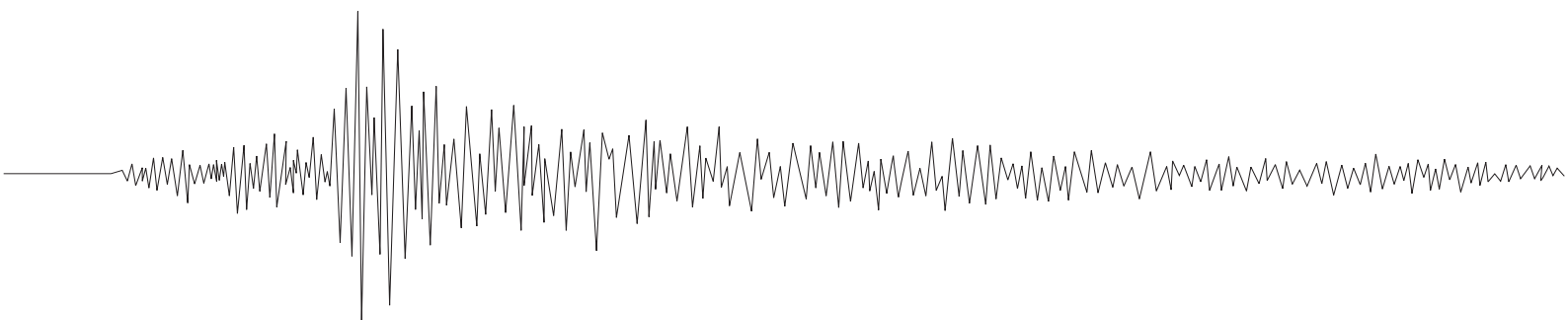
Galloping urbanization, new infrastructure projects in crowded locations, plethora of transportation modes, challenging construction works, tunneling and demolition sites, are now more and more instrumented in so called smart cities environments. This also brings unrivalled challenges to civil and structural engineering works and requires lots of sensor data for situation assessment in real time.

These multiple sources of vibrations, root causes to human disturbances or potential structural damages, are extensively monitored to ensure acceptable levels for people nuisances mitigation, risk management and assets sustainability.

Syscom recognizes these needs and address them in this brochure with an innovative vibration compliance solution, redeemed possible with the latest available and proven technologies driven by IoT low power integrated components and new LTE communication networks.

Envision this new generation of autonomous motion recorders providing affordable sensors, cable free installation, smart & sleek monitoring services for structural health monitoring and human comfort evaluation.

Discover the Syscom vibration compliance solution in this brochure and find out why you need it!



ROCK AND SCS CLOUD SOFTWARE - VIBRATION COMPLIANCE SOLUTION

The new Syscom vibration compliance solution articulates two indissociable items:

- Hardware: **ROCK**, an autonomous vibration monitoring device tailored for field monitoring challenges and related constraints
- Software: Syscom Cloud Software (SCS), a solution for dynamic measurements monitoring, data processing, remote parametrization, alarming and reporting.

This new and fully integrated concept for vibration compliance features the following:

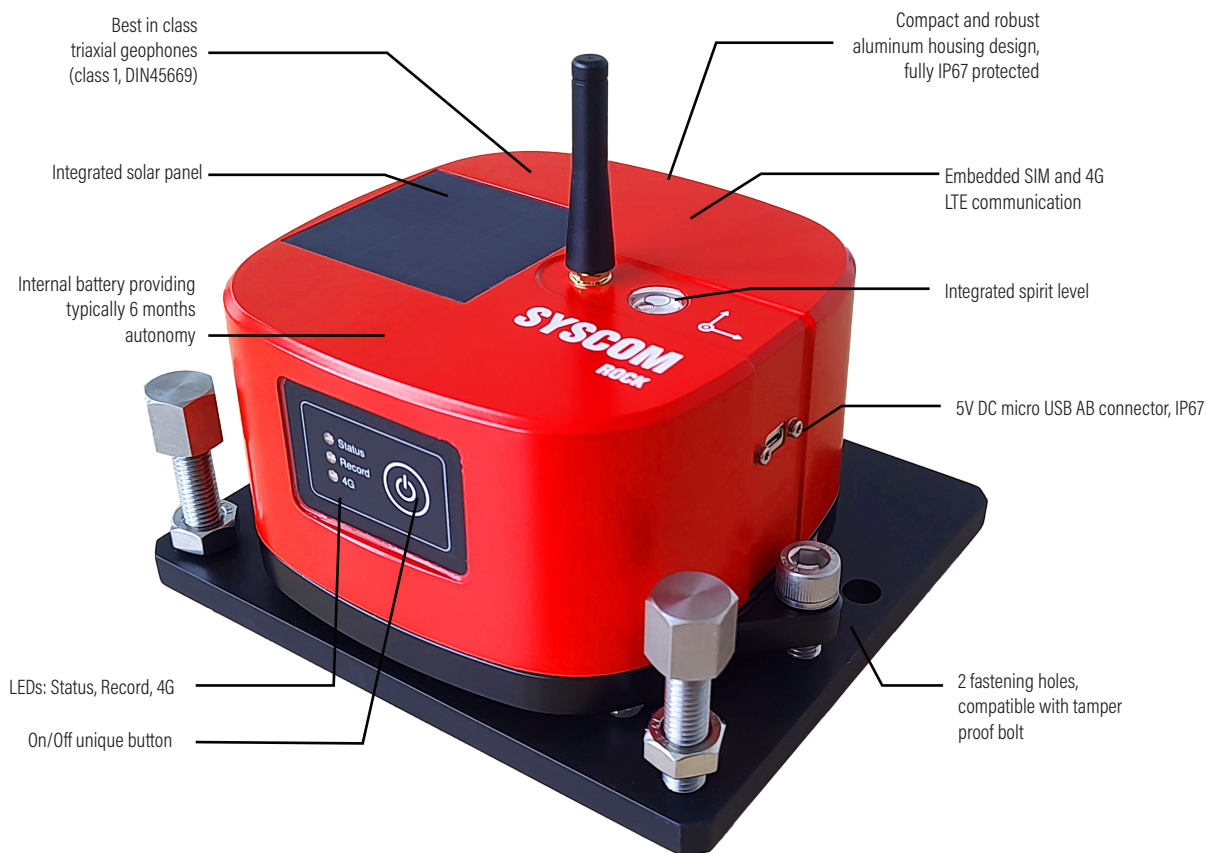
- All-in-one vibration monitoring solution, compliant to worldwide regulations. Simply select the proper standard and get notified if an alarm level is exceeded
- Painless site installation with devices operability in a cable free manner, autonomously with its embedded battery and ultra low power design
- Permanent monitoring through remote parametrization granted through the SCS cloud solution
- Possibility to purchase or rent locally the instrument, through specialized distribution network
- Unlimited autonomy in outdoor measurements, by means of the integrated solar panel. Autonomy of 6-9 months in indoor measurements by means of the internal battery.

Syscom is launching a prime service to achieve best assets safety and risk mitigation, aligned with globally enforced regulations.

The combination of ROCK and SCS is the most reliable and easiest solution for vibration monitoring solution available on the market.

MAIN FEATURES SYSCOM ROCK & SCS

Hardware features:



Software features:

SCS scs.syscom-instruments.com

Easily operated

Multi-platform cloud based access

Smart notifications and alarming (SMS & Emails)

Automated reporting

Management by projects

Remote parametrization and data access

Compliance to major vibration standards

Open data export and FTP push features



Remote permanent vibration monitoring solution in near real time for best efficiency and affordability. Discover how:

UNLIMITED AUTONOMY

No need of the main power or addition of an external solar panel. The instrument has been designed with a extremely low consumption to have unlimited autonomy in outdoor projects and 6-9 months in indoor projects.

PLACE & PLAY

No recurrent site visit with remote parametrization and permanent monitoring. State of health (with test-pulse) and system metrics also monitored. Lowest cost of ownership

CABLE FREE

No site cable laying, nor additional battery or heavy solar panel installation due to ROCK extended autonomy

EASY PROCESSING

Like an app, webapplication on the cloud, easy to use, multi platform

SAFE DATA & EASY SHARING

Data backup on a Swiss server, FTP push feature, URL sharing and data conversion to ASCII in one click

AUTOMATED NORM COMPLIANCE

With periodic reporting. Non exhaustive country regulation list:

- Australia AS2187-2
- Austria ÖNORM S 9020
- France Circulaire du 23/07/1986, arrêté de 1994, SNCF IN1226
- Germany DIN4150-2, DIN4150-3
- Norway NS8176, NS8141
- Portugal NP2074
- Spain UNE22-381
- Sweden SS 4604866, SS025211, SS4604861
- Switzerland SN640312
- United Kingdom BS5228, BS7385-2
- USA RI8507, OSMRE, ISEE (vibration only)
- Italy UNI 9916
- The Netherlands SBR A, B
- User defined limits
- Vibration Criteria (VC)



CONCEPT -

HOW CAN YOU GET YOUR SYSCOM ROCK ?

- A) Request your ROCK device from our local partner. Just connect to the below link and fill in the required form. Our specialized partner will get back to you shortly and provide devices quickly from a local warehouse.

<https://www.syscom.ch/rock>

- B) Create your own free account on the SCS in just two minutes. The requested ROCK will be linked to your account automatically by our partner.

scs.syscom-instruments.com

- C) Receive the ROCK, install it on site in a cable free manner and just switch it on. That's it..you will automatically get the data uploaded to your SCS account in no time.

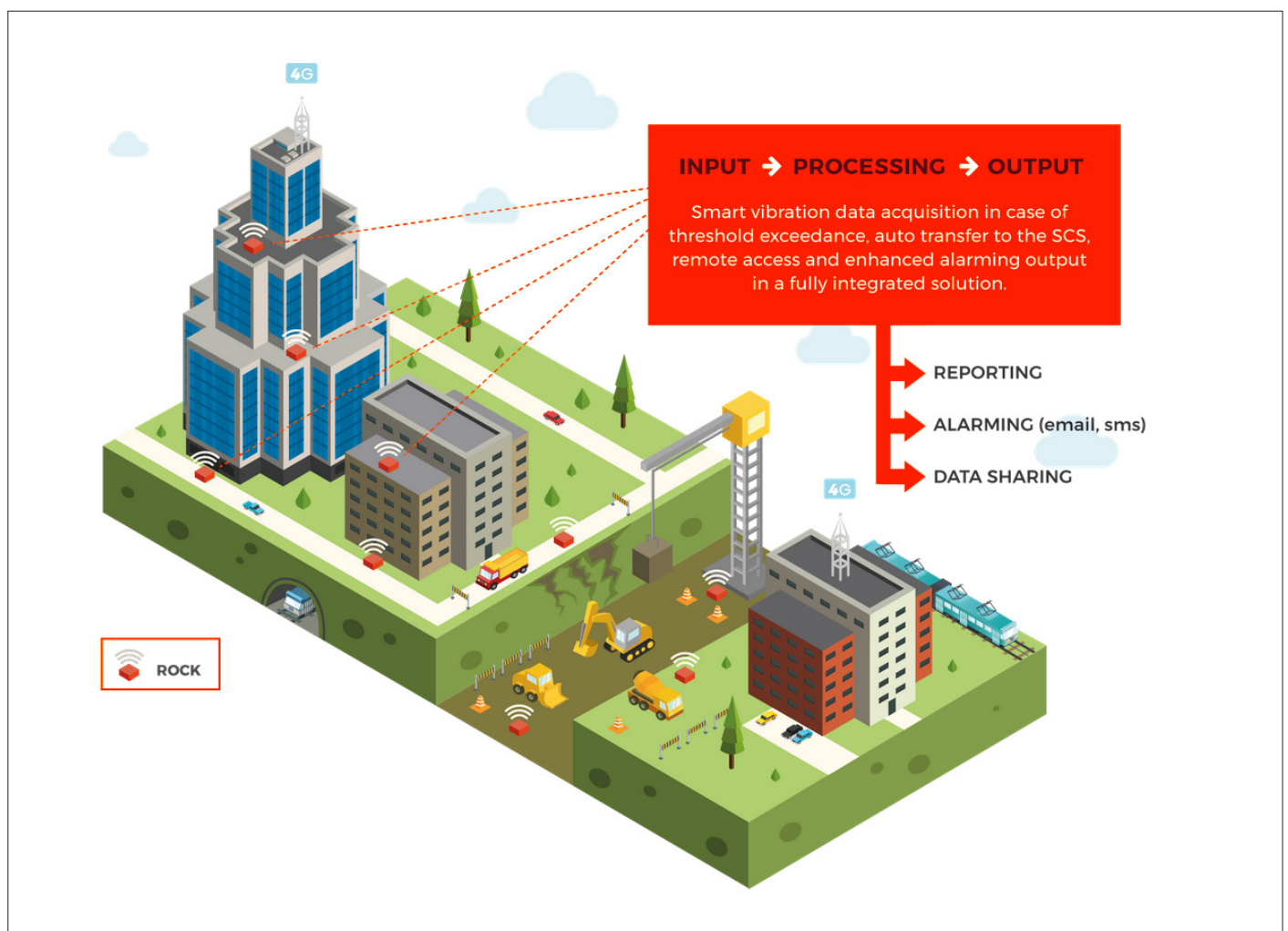


YOUR COMPETITIVE ADVANTAGES:

- Unlimited autonomy
- Dedicated vibration compliance solution, including hardware and software
- Pay per use
- For rental devices: no Capex, no amortization, only Opex
- Total cost control, all included in a monthly flat fee, no hidden costs
- Local specialized partners
- Very short lead time
- Devices always up to date, with latest firmware, functionalities, best accuracy & reliability
- Free calibration included (ROCK need to be returned to our local partner)

Structural vibrations and human exposure to them are simply evaluated using ROCK devices and SCS data processing software.

The solution outputs are: automated reporting, quick alarming and easy data sharing (FTP, URL or ASCII files).



SYSCOM Instruments SA



Syscom Instruments SA is a subsidiary of Orica Digital Solutions group, a multinational manufacturer of geotechnical equipment and softwares. Syscom Instruments SA is a leading provider of vibration and seismic monitoring equipment for civil and structural engineering, strong-motion monitoring and safety related markets, especially for NPP and LNG plants. Syscom Instruments SA reputation rests on the reliability of its products, coming from a meticulous control of every design and production aspects. Syscom Swiss facility, fully ISO 9001 certified, utilizes modern, automated production and test equipment to assure cost-competitiveness and trustable high quality products.

www.syscom-instruments.com

SALES NETWORK

Syscom relies on a very well trained and specialized distribution network worldwide. Please contact our partners directly to get the best advice about ROCK Acceleration and SCS product lines with premium local support.

Refer to Syscom Instruments website for the complete list of representatives.

www.syscom-instruments.com/representatives

