

# KINOS – Monitoring System for Roof Snow Load

Is snow load on the roof a yearly problem in your building ? KINOS is a solution for monitoring the snow load vs. time, shown as curves on the monitoring computer. KINOS helps to optimize snow cleaning on the roofs. In addition to increased safety KINOS decreases building's maintenance cost as snow drop can be scheduled just on time and focus only to the most critical parts of the roof.

Another option is to use a KINOS measurement system for giving alarm, when the predefined load value is exceeded. KINOS measures deflection of a roof truss or beam with a millimeter level precision and compares the measurement result to a calculated limit. When deflection exceeds the pre-determined value, KINOS system gives a relay message to a building automation system. KINOS system includes an industrial computer, which runs the graphical interface for showing the results. KINOS measurement unit is also equipped with temperature controlled cooling and device heating for varying environments.

- Deflection monitoring of all measurement points on the internet, SMS alarm, relay alarm
- Optionally more measurement points (even tens of points for one unit)
- Accuracy: 10 arc seconds with the basic rotary laser (+/-2.5 mm@50m), < 5 arc seconds when using the more advanced laser model

