



Federal Ministry of Education and Research (BMBF) Project “KI-PREDICT”

Increase NTN-SNR linear guides product quality through magneto resistive sensors and artificial intelligence

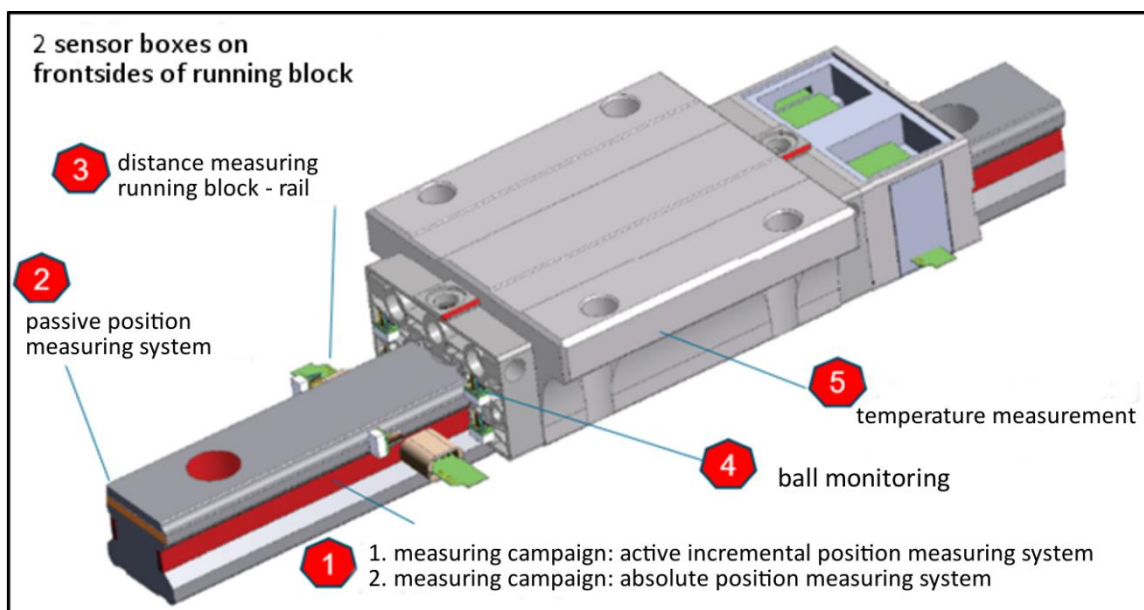
A new BMBF-funded research project KI-PREDICT has been started with eight companies and research institutes, who want to work together to use different sensor systems and methods of artificial intelligence. The aim is to help enable condition-based, predictive maintenance of process plants to allow a better monitoring of product quality directly in the production process.

Linear technology was selected for the project as an example application for central industrial processes. Therefore, a linear technology sample plant will be built by NTN-SNR and equipped with various sensor systems from Sensitec.

The goal of these measurement series is first to identify the sensors that contribute significantly to condition monitoring and product quality. Additionally, the significance of AI-algorithms for condition monitoring and thus also for long-term product quality will be investigated.

With the support of the project partners Saarland University and Canway, the measurement data of the integrated sensors will then be collected in several measurement campaigns during long-term operation and evaluated using AI algorithms.

The following diagram gives an overview of the integrated sensor technology:



Source: Sensitec GmbH, SNR Wälzlager GmbH



Press release

Annecy (FR)/ Erkrath (DE) – January 2021

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GEFÖRDERT VOM



Bundesministerium
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Project partners:



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