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Titel:

New technologies pave the way for on-line CCM systems becoming standard for reciprocating compressors

On-line Compressor Condition Monitoring Systems (CCM) have proven to be important tools for supporting maintenance of reciprocating compressors. They are well accepted to increase availability and to reduce operation costs. Early and precise detection of failures enables fast repair work and effective mobilization of limited manpower. However, existing CCM solutions imply high expenditures for installation, engineering and equipment – for Users and for Suppliers. New systems, based on clever conception, focusing on monitoring key-requirements as well as modern techniques for data acquisition, transmission and diagnosis will pave the way for on-line CCM systems becoming standard equipment for compressors in the oil-, gas- and process-industry.

This paper displays the techniques applied and reports on the status of this development.