



## Predictive Maintenance with a philosophical touch

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A thought experiment: Suppose that Platon and Aristotle argue about the best maintenance method as shown in this world-famous picture of Raffael. Platon points up to the clouds in the sky, while Aristotle points to the bottom. For Platon, the truth lies in the data patterns (principles of wear and tear) and for Aristotle in the inspectable conditions. The dispute is undecided, because no one holds the truth alone. It needs both!

The same applies to Predictive Maintenance. Data pattern recognition without associated condition data has little value. However, with condition monitoring alone (without data pattern recognition) we remain stuck in traditional preventive maintenance.

For thermal process plants, it unfortunately gets even more complicated, because for many components there are no condition monitoring sensors available. Condition data must first be obtained by additional measurements, for example travel times of drives, motor current or temperature controller output levels.

If you want to know more about my philosophical thoughts about Predictive Maintenance and Big Data, just have a look at my [website](#) (in German only).



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1 Kommentar



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3 Wochen ...

Very nice thought experiment. And I fully agree. Only a combination of sensor data with "analog" maintenance information (e.g. knowhow/experience, visual inspection/visual categorization) will end in real predictive maintenance. Question is: where to start? Collecting data and installing all sorts of sensors in your machine or start with a simple whit ... mehr anzeigen

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Kommentar hinzufügen ...

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