



# EDUCATION AND RESEARCH INSTITUTIONS.

**Many of the Dynatrend applied methods and principals of machinery mechanical diagnostics are not found in education or training courses.**

Signal detections are done by non-intrusive sensors, establishing a strong alternative compared to internal instrumentation. This in itself is not new, but the methods of signal treatment, combinations, and the ways of configuring the instrumentation opens up a new way of approaching condition monitoring.



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**The feedback by many common systems used today are like looking through a key-hole, but the Dynatrend system is like looking through a window. There is much more valuable information available , but the information is still easy to relate to in the form of auto diagnostic digitized formats.**

The way of diagnostic principals are unique, and as an example, Dynatrend has "single source" Frame Agreements with gas turbine OEM's, supplying measurement technology and services for turbine development , maturing programs and shop testing.

Our supply is typically services related to instant mapping and reporting of vibration, machine resonances, component rub, shaft rub, blade rubs, blade resonances, component fretting, flow instability, and more.

Dynatrend/OEM frame agreements are single source as no other providers can offer the same services.

The way of performing such measurements, performing auto diagnostics, integrations to OEM infrastructure for example, is a part of the future way of utilizing detailed and embedded diagnostics, documentation and digitizing of complex machinery.

**This could be an interesting field to include for future educational and research strategies.**



## **DYNATREND AS**

Adresse: Olav Hansens vei 11, 4021 Stavanger  
E-mail: [post@dynatrend.no](mailto:post@dynatrend.no)  
Phone: +4751874940  
Phone: +4791640565  
Webpage: [www.dynatrend.no](http://www.dynatrend.no)