

HYDRALIGN® detects foundation settlement at an early stage

Press release: HYDRALIGN®

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1 HYDRALIGN®, an innovative product, that checks
2 the settlement of foundations, is being introduced
3 at the Hannover exhibition (16th to 20th of
4 April 2007) by PRÜFTECHNIK Alignment Systems, inventors
5 of laser shaft alignment. Settlement of
6 foundations can impact the process reliability of
7 machines, which could cause unexpected and cost-
8 intensive breakdowns. HYDRALIGN®, detects foundation
9 movements at a very early stage and therefore
10 providing an opportunity to eliminate the problems
11 before production quality is affected. HYDRALIGN®
12 is an online monitoring system based on the measurement
13 principle of a water level. The hydrostatic measuring
14 system has various application areas and is especially
15 suitable for long term monitoring of plants and machine
16 foundations as well as monitoring of building settlements.
17 HYDRALIGN® measures height changes accurately and exactly.
18 The pressure sensors are permanently installed on
19 the machine foundations. In case of a foundation
20 movement, the hydrostatic pressure in the sensor
21 changes. These pressure changes are proportional
22 to the settlement of the foundation. Up to 8
23 sensors are connected to one evaluation unit. The
24 evaluating units can be interconnected. HYDRALIGN®
25 is flexible and can be easily adapted to meet individual
26 customer's needs. The measurement accuracy
27 of the sensors is 0,1 mm and is independent of the
28 distance between the sensors. The user can define
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Ein Unternehmen der PRÜFTECHNIK-Gruppe

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30 the limits, which when exceeded triggers an alarm.
31 Using Ethernet, the foundation can be monitored
32 on remote PCs. The measurement results are analy-
33 sed and displayed by using the HYDRALIGN® soft-
34 ware. Results are displayed for each sensor or for
35 the entire foundation in a 3-D view. The measuring
36 data can be grouped, classified and filed. HYDRA-
37 LIGN® is also available in Ex version for the use
38 in potentially explosive environments.

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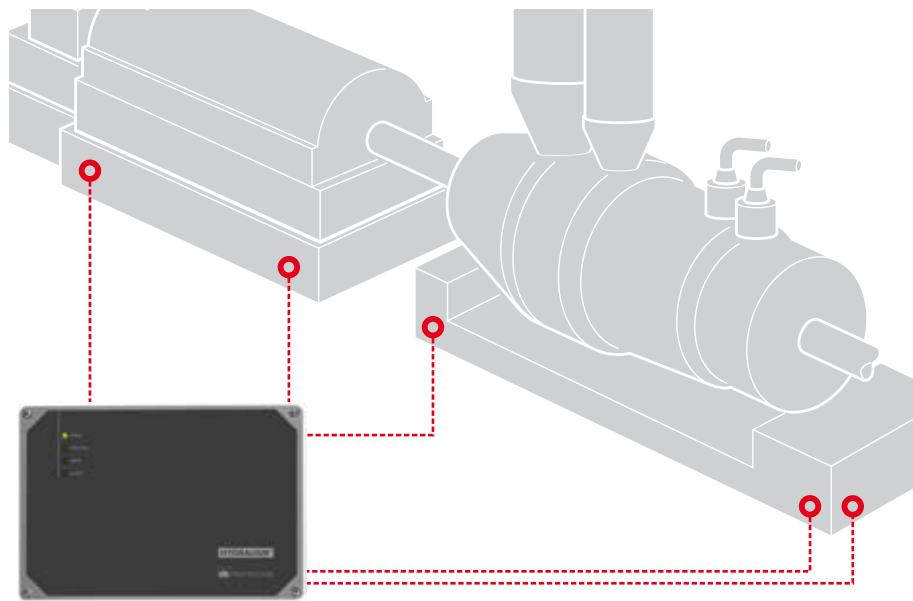
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HYDRALIGN® press photo



A high resolution file is available upon request.
Send request to: info@pruftechnik.com

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