



Premiere: VdS-Approval for infrared fire detection

For the fire protection innovation Pyrosmart from company Orglmeister, an IR system for automatic temperature monitoring, no EN specifications exist. // VdS has now verified the effectiveness and reliability of this system with a specially developed test agreement.

Cologne/Germany, June 6, 2019. In the typically polluted/dust-laden atmosphere of the recycling, wood and paper industry as well as for outdoor storage areas, conventional smoke and fire detection equipment is hardly suitable. For the protection of such businesses, the German specialist Orglmeister has developed an infrared camera device which automatically monitors the temperature by means of a pan/tilt drive and localises as well as reports critical heat sources at an early stage. The effectiveness and reliability of the Pyrosmart system has now been proven and verified by a specially designed innovation test at VdS.

“The Pyrosmart scans independently and constantly through detection areas with repeatable accuracy, by the way with an uncompromisingly robust drive technology specially developed for this application,” emphasises Albert Orglmeister, Managing Director of Orglmeister Infrarot-Systeme GmbH & Co. KG. “A panorama video image that can be switched over parallel to the infrared panorama display makes it easier for those responsible for safety to quickly identify hazards. The intuitive operation of the patented technology is also important. Incidentally, planning and installation are carried out in accordance with the VdS 3189 guidelines. We are very pleased that we can now clearly attest and verify the reliability of our detection unit with the VdS-approval at first glance”.

“The IR camera device combines infrared radiation measurement with real image recording,” explains Rafael Bernsdorf, head of the VdS laboratories for special products. “Our tests confirm: If an application-specific temperature value is exceeded in the monitored area, the technology directly triggers an alarm. Often well before the first smoke or flame is formed. As usual, VdS-Approval also confirms safe operation under high mechanical and electromagnetic stress, after ageing and under the most difficult environmental conditions. Congratulations to the Orglmeister team for the successfully approved design and development”.

Press contact:

Dr. Florian Scharr
Public Relations
Phone: +49 221 77 66 - 6417
Fax: +49 221 77 66 - 311
Email: fscharr@vds.de

VdS Schadenverhütung GmbH
A company of the German
Insurance Association (GDV)

Amsterdamer Str. 172-174
D-50735 Köln
Germany

www.vds-global.com



The “individual test agreements” of VdS enable the approval of innovations for which no norms exist yet. Years later, they often form the basis of international safety regulations. For Europe's fire protection experts, VdS-Approval is the most important quality criterion.

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Caption IR: Through an “individual test agreement for innovations”, VdS has now for the first time been able to approve the effectiveness and reliability of an IR camera that detects heat sources independently: the Pyrosmart system developed by Orglmeister. (PLEASE NAME ORGLMEISTER AS IMAGE SOURCE, THANK YOU)

Caption IR_ALTERNATIVE: Handing over the VdS Certificate of Approval for the Pyrosmart IR camera detecting heat sources independently: from left Michael Berend, Orglmeister Development Manager; Managing Director Albert Orglmeister; Benjamin Kluthe, VdS test engineer; Rafael Bernsdorf, head of the VdS Laboratories for special products.

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VdS is one of the world's most renowned institutions for corporate safety and security. 500 experts offer a unique range of services for fire protection, security, cyber-security and natural hazard prevention.

Services include risk assessments, testing and certification, inspections, information systems for natural hazards and an extensive training program. In addition, the independent institute sets international safety and security standards with the publication of a comprehensive set of Guidelines.

The optimal protection of our partners is based on a worldwide unique safeguarding concept whose reliability builds on more than 110 years of VdS-experience, combining all core aspects of loss prevention. Decision-makers around the world rely on VdS-approved reliability and certainty.

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