

FIVES PILLARD GOOD NEWS FOR YOU



fivespillard

JUNE / 2010

ANALYSERS & INSTRUMENTS DEPARTMENT

EDITO

Protect our environment!

Fives Pillard and their German, Spanish and Chinese subsidiaries, world leaders in combustion equipment, have developed their activity of Analysers and Instruments dedicated to Combustion.

Thousands of flame detectors, ignitors, dust and O₂ monitors have already been supplied over the world to secure industrial combustion applications.

Already recognized as innovative in combustion systems, Fives Pillard have concentrated their efforts on safety and emission control.

Since environment is becoming a main issue for the planet, Fives Pillard confirm their involvement in sustainable development.

*The general management of:
Fives Pillard, France,
Pillard Feuerungen, Germany,
Fives Pillard España, Spain,
Fives Pillard Tianjin, China*

→ Urban heating Optimising boiler efficiency thanks to the "CO₂ SAVER"

Highly concerned by CO₂ emissions, Fives Pillard decided to help their clients reduce CO₂ by developing a combustion control system: the "CO₂ SAVER". It is based on CO measurement and allows the safe optimisation of O₂ in combustion flue gas.

In addition to the reduction in fuel consumption, CO emission control improves the plant safety level. COFELY (GDF-SUEZ group) recently applied it successfully with new low NO_x burners at their Velizy plant (Paris area).

Read more: <http://www.fivesgroup.com/co2saver-uk>



CONTACT US

An easy way to get to your desired contact at Fives Pillard via internet:
www.fivesgroup.com/fivespillard
select **Contact Us**

→ Oil & Gas

Replacing flame detectors at TOTAL Feyzin refinery

Aiming at increasing the safety and reliability of their boilers, the TOTAL Feyzin refinery (France) chose Fives Pillard flame detectors. The reliability has been improved by fitting 12 burners with PACKSCAN RUBY UV scanners, and PACKSCAN SAFYR flicker scanners complying with ATEX and SIL requirements.



Read more: <http://www.fivesgroup.com/totalfeyzin-uk>

→ Power plants

Replacing flame detectors on coal burners at EDF Blenod

EDF Blenod power station (France) chose Fives Pillard for supplying the flame detectors on tangential pulverized coal burners with heavy oil support. The complexity of these burners required the installation of scanners fitted with fibre optics. They have been implemented on boilers n°2, 3 and 4.



Read more: <http://www.fivesgroup.com/edfblenod-uk>

→ Gas fields, S.R.U., Steel

DARKSCAN, the right solution to monitor invisible flames

Flames resulting from the combustion of H_2 , H_2S or low LCV gas are difficult to monitor. This is why Fives Pillard developed a scanner which checks the flame temperature at 2 different points. The DARKSCAN, SIL2 certified, was recently installed on Claus reaction furnaces in South Pars (Iran), COG burners in Saarstahl Steel (Germany), and rotary kilns (see below).



→ Oil & Gas

Esso improved the ignition reliability of sulphur furnaces

The Esso Fos refinery (France), installed 6 retractable incandescent CORAIL 1400 P type ignitors type.

Easy to carry, to install in the burner and to use, these ignitors have successfully met the target for reliable and safe operation when subject to high temperatures and corrosive gases.



Read more: <http://www.fivesgroup.com/esso-uk>

→ Power plants

Replacing FORNEY ignitors in EDF Martigues

Aiming at increasing the safety and reliability level of their burners, EDF Martigues power station (France) decided to replace the 54 FORNEY ignitors with Fives Pillard PACKLIGHT ignitors (ATEX version), fitted with ionization rods. They have been implemented on all boilers.



Read more: <http://www.fivesgroup.com/edfmartigues-uk>

→ Cement

POLYSIUS and LAFARGE improve kiln safety

At the LAFARGE Ain Sukhna cement plant (Egypt), POLYSIUS chose the new DARKSCAN flame detector to monitor the kiln burner flame. Thanks to its insensitivity to dusty atmospheres and a studied positioning, the DARKSCAN guarantees safe operation.



Read more: <http://www.fivesgroup.com/lafarge-uk>

→ Urban wastes

Bourogne and Rouen plants monitor their dust emissions

Bourogne and Rouen urban waste plants (France) chose the OPASTOP GP 2001 dust monitor in order to get QAL1 and QAL2 certifications. On site commissioning has been completed in collaboration with 'Environnement SA' Company.



Read more: <http://www.fivesgroup.com/uiom-uk>

→ Chemical

O₂ monitor successfully operating on dusty flue gas

The OXATEX has been chosen by the Chomarat Company (France) to monitor oxygen in high dust laden flue gas issued from waste liquid fuel combustion. The OXATEX is available in an ATEX Version, with remote calibration and adjustments for restricted access areas.



Read more: <http://www.fivesgroup.com/oxatec-uk>

→ Oil & Gas

Calibration devices for the TOTAL Gonfreville refinery

The analysers of petrochemical plants often need to be calibrated. TOTAL Gonfreville refinery (France) chose a Fives Pillard calibration device based on dilution with reference gas (supplied in small cylinders). Fives Pillard is the French representative for "GO" pressure reducers (regulators).



→ Cement

Safety of areas subject to risks of dust explosion

A French cement plant installed an "in situ" dust monitor OPASTOP type GP 3000 T in the pulverized coal dosing room to monitor the dust content. Such a simple solution avoids reaching an explosive ratio of carbon dust and in so doing, can allow to comply with ATEX requirements.



Read more: <http://www.fivesgroup.com/opastop3000-uk>

→ All industries

FLAMCHECK, a portable flue gas analyser

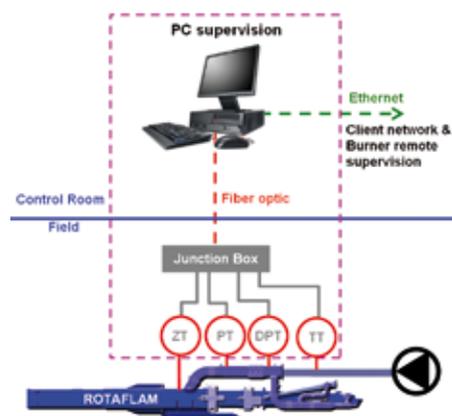
All over the world, Fives Pillard's combustion specialists use FLAMCHECK portable analysers to optimise combustion. Allowing O₂, CO, NO, SO₂ measurements, the FLAMCHECK calculates combustion efficiency and records data (printer or via Bluetooth). Now available for Fives Pillard's customers.



→ Cement

NOVASAFE: burner operating conditions at a glance

The CMPC plant (Chile) have equipped their kiln burner with a NOVASAFE monitoring system, allowing the operator to be instantly informed of burner operating conditions. This monitoring system has been developed to help operators and process engineers optimise the main rotary kiln burner settings.



Read more: <http://www.fivesgroup.com/novasafe-uk>

→ Road tunnels

Equipping the Marseilles "Prado Carénage" tunnel

Fives Pillard supplied all the equipment for the supervision of air quality and air velocity: 20 WINDCHECK anemometers, 4 OPASTOP "in situ" opacimeters and 35 NocoSTOP NO/CO detectors. Several tunnels in France are being equipped in the meantime.



Read more: <http://www.fivesgroup.com/prado-uk>

→ Road tunnels

Anemometers and opacimeter for the Orelle tunnel (France)

The Fives Pillard WINDCHECK anemometers had to be adapted to the altitude and the ambient saline fog conditions during winter. Opacimeters are located in control rooms and connected with sampling tubes, thus simplifying the maintenance.



Read more: <http://www.fivesgroup.com/orelle-uk>

→ Road tunnels

Using a laser to detect smoke along the tunnel length

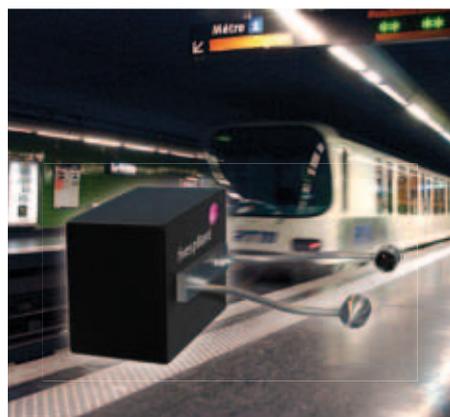
In co-operation with Dirif (Paris road management), Fives Pillard developed an innovative laser solution to detect smoke called СМОКCHECK. Proven during a 6 month test at the Paris La Défense tunnel (France), such a device uses a laser ray which sweeps a distance of 50 meters.



→ Subway tunnels

WINDCHECK anemometers to monitor tunnel air flow

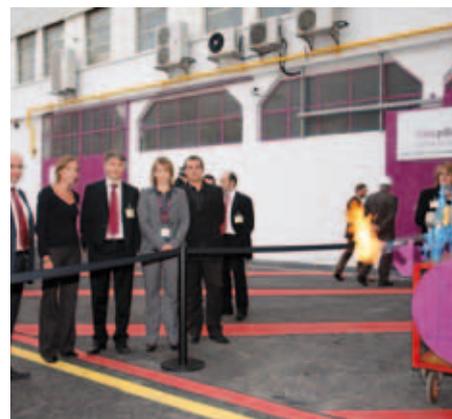
Fives Pillard has been awarded the supply of WINDCHECK anemometers to monitor fresh air flow in the Marseille subway. This anemometer is based on ultrasonic technology. This tunnel is one of the first to use an anemometer to manage the fans.



→ PETRODAY

Fives Pillard invited their Oil & Gas customers

Fives Pillard organized (Nov. 2009) an Oil & Gas meeting at their Marseilles R&D Centre aiming at debating low emission combustion and measurement solutions for petrochemical plants. Fives Pillard presented their best technologies in operation and external specialists initiated exchanges between the attendees.

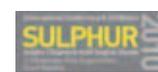


CONFERENCES

During 2010, Fives Pillard will participate in the following conferences and seminars.



November 1 – 4 2010,
ADIPEC 2010
Abu Dhabi (U.A.E.)



November 1 – 4 2010,
SULPHUR 2010
Prague (Czech Republic)

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