



CASE STUDY

INTEGRATED FIRE PROTECTION FOR DIGITAL MEDIA TECHNOLOGY

DIGITAL MEDIA TECHNOLOGY FROM WERKSTATION ROLLS OUT DEVICE-INTEGRATED FIRE PROTECTION FROM JOB GMBH

Werkstation GmbH was founded in 1993 and is based in Besigheim near Stuttgart, Germany. The company specializes in the development and production of information systems, kiosk terminals and digital signage solutions. Werkstation GmbH also offers innovative digital signage software whereby networks of terminals and display systems are centrally administered and remotely supplied with content.

The topic of fire protection in digital displays is complicated and difficult to understand, which is why Werkstation GmbH set itself the task of finding the most innovative solution possible to meet all the requirements. This is how the Lena FP Pro Display (Fire Protection Professional range) was developed.

Werkstation customers include Airbus, BMW, Daimler, Porsche, Thyssen Krupp, Deutsche Bahn, and many more.

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With **integrated fire protection**, we are able to install digital media technology in **sensitive areas**.



Dipl.-Ing. Frank Nägele
Managing Director Werkstation GmbH



Display is designed for escape and rescue routes



Internal fire extinguisher (VdS-certified)



Internal smoke alarm



Alarm signalling device for building monitoring



Alarm signal forwarding to, for example, the fire service



Power circuit interruption

Lena FP Pro Display, protected by the AMFE system

The primary goal when developing the Lena FP Pro was to reduce the risk of fire from the electronics.

This is done by:

- 1.** a robust A1 fire protection housing,
- 2.** internally installed extinguishing and smoke detection units, and
- 3.** a special switch-off mechanism that completely cuts the power into the housing when a fire starts.

The built-in extinguishing and smoke detection units are AMFE systems from JOB GmbH. As soon as a fire breaks out, the AMFE triggers and extinguishes it with a non-toxic gas without causing further damage.



PROJECT SUMMARY:

Country: Germany
Customer: Werkstation GmbH
Segment: Digital Signage
Extinguishing technology:
Smoke detector, junction box and AMFE with gauge



For questions about possible applications or technical details about the AMFE mini fire extinguisher, please feel free to contact Markus Flebig (markus.flebig@job-group.com).

VdS certified AMFE with gauge



JOB GmbH

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