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- 1 | Chemical plant – Here a single girder suspension crane with 1,600 kg S.W.L. is used for transporting components during maintenance work outdoors. The construction of the explosion-protected chain hoist enables the whole crane bridge width to be utilised to the full.
- 2 | Chemical plant – A single girder overhead travelling crane with 5,000 kg capacity is operated by radio remote control in a hazardous area. It transports goods through a shaft over several floors.

application	category	protection against	explosion protection class
zone 1	II 2 G	gas	EEx de IIB T4 or EEx de IIC T4
zone 2	II 3 G	gas	EEx n de A IIB T3
zone 22	II 3 D	dust	EEx II 3D 120C

# Explosion-protected cranes



## Extremes

When it is a question of the safety of man and machine in hazardous areas, R. STAHL is pioneering, forceful and consistent.

**ATEX**

The R. STAHL Technology Group is regarded as a specialist for explosion

protection world-wide. With our experience and our know-how from many decades, our own fundamental research and our own R&D, with approvals from the Federal Physico-Technical Institute (PTB) and other test institutes in many countries, R. STAHL occupies a special position in this field. All components of a crane or hoist are strictly from our own production, from motor and

brake to control and switchgear. This ensures optimum, high-quality explosion protection. The new rigorous ATEX regulations on mechanical

explosion protection are of course met. R. STAHL was the first manufacturer of overhead material flow technology to implement the ATEX 100a directive 94/9 in its production programme.

- › **Experienced** \_ Leading specialist for explosion protection technology in the world
- › **Strict** \_ Everything from one supplier and from our own production
- › **Pioneering** \_ Design in compliance with ATEX in certified quality
- › **High quality** \_ Extremely safe and accurate

### References

- › BASF AG, Antwerp/Belgium
- › Behn-Meyer, Singapore/Singapore
- › Centrozap, Katowice/Poland
- › Colour-Chem Ltd, Bombay/India
- › Hoechst AG, Frankfurt/Germany
- › Maschinoimport, Moscow/Russia
- › Sandoz AG, Basel/Switzerland