

Training 24 – Steel industry

培训 24 - 钢铁工业

Introduction介绍

The steel industry is very interesting regarding FlowVision flow sensors. In Germany and of course also in China there are many steel mills. Steel mills are usually quite big and often contain several functions of steel production, such as steel making, casting and rolling.

关于流量传感器，钢铁行业非常有趣。在德国，当然也在中国有很多钢铁厂。钢铁厂通常是相当大的，通常包含钢铁生产的几个功能，如炼钢、铸造和轧制。

Every single steel mill needs thousands of flow sensors, so it is always a good idea to establish close connections to them.

每一个钢铁厂都需要数千个流量传感器，所以与他们建立密切的联系是一个好主意。

References 参考

In Germany we have already sold a lot of flow meters and flow monitors to various steel companies, for example Thyssen Krupp, Arcelor Mittal, Salzgitter, Benteler and Dillinger Hütte.

例如，在德国，我们已经向不同的钢铁公司出售了大量的流量计和流量监测器，例如Thyssen Krupp, Arcelor Mittal, Salzgitter, Benteler and Dillinger Hütte



ArcelorMittal



Requirements要求

FlowVision builds heavy duty sensors with extremely robust stainless steel housing and probes. Please take a closer look at the sensors in our presentation suitcase which we sent you a few months ago. You'll see that most of the sensors are made of stainless steel with really big wall thicknesses – just feel the weight! FlowVision采用极其坚固的不锈钢外壳和探针构建重型传感器。请仔细看一下我们几个月前寄给你的公文包里的传感器。你会发现大部分的传感器都是用不锈钢做的，而且有很大的墙壁厚度——只是感觉重量！

Those heavy duty sensors perfectly match the requirements of the steel industry. At the picture on the right side you can see that steel mills have a heavy duty environment, just perfect for heavy duty sensors. 这些重型传感器完全符合钢铁行业的要求。在右边的图片上你可以看到钢铁厂有一个很重的工作环境，非常适合重型传感器。



Above that our sensors may also be used at very high temperatures and usually have an IP rating of IP67. 在此之上，我们的传感器也可以在很高的温度下使用，并且通常有IP67的IP等级。

Applications and preferred sensors首选应用程序和传感器

A lot of air, compressed air, nitrogen and oxygen is needed in steel mills for various applications. Engineers from German steel mills, especially those from “Dillinger Hütte”, really love the FC50-CA to measure the consumption of those gases or to build control systems.

许多空气、压缩空气、氮气和氧气都需要在钢铁厂中应用。德国钢铁公司的工程师，尤其是来自“Dillinger Hütte”的工程师，真的很喜欢FC50 - CA来测量这些气体的消耗，或者建立控制系统。