



## Use Case: All on one plate

The user is a globally active aluminum rolling and recycling company. The company employs around 5,000 people, operates seven production sites and an R&D center in Germany and Norway, as well as several international sales offices. Among other things, it has a stake in the world's largest aluminum rolling mill in Grevembroich.

### Challenge:

The user uses compressed air with quality class [2:3:2] according to ISO 8573-1: 2010 in a production plant. This quality class is sufficient for most applications. If higher quality is required, the correspondingly required components are retrofitted at end points.

For a new aluminum smelter, the manufacturer specified ISO class [2:2:2] as the necessary compressed air quality. In addition, the user wanted to record evidence of the pressure dew point (DTP) and the compressed air consumption at this new melting plant. In the tightest of spaces, a compact solution had to be found for achieving the required compressed air quality and for measuring and recording the data.

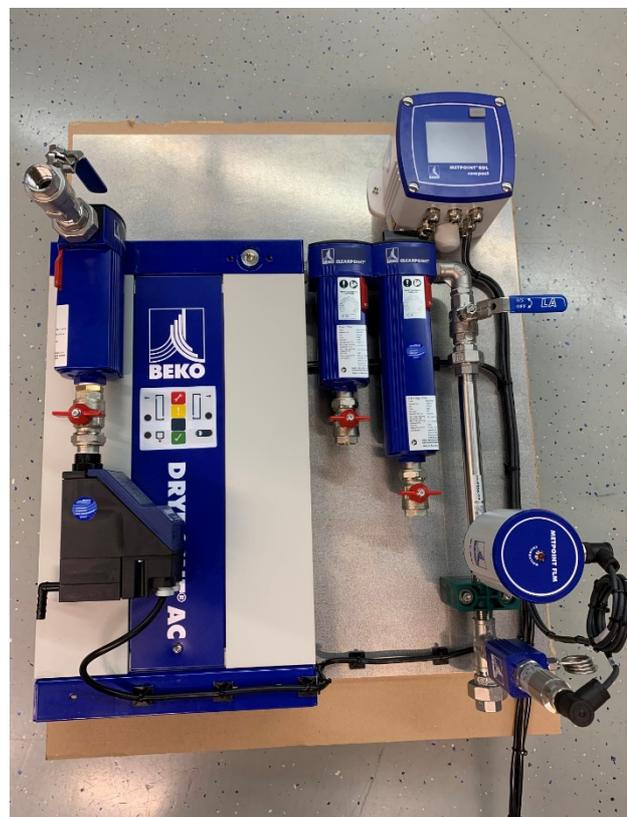
### Solution:

After consultation with our service workshop, a proposal was developed. All components of the end point treatment and measurement data acquisition were completely mounted on a steel plate and connected to each other. The user only had to connect the compressed air inlets and outlets and the electrically operated components to the power supply in order to achieve his required quality and record his desired data. The user liked the space-saving solution and the order was placed immediately

### Conclusion:

The user is satisfied with this individual treatment and measurement system. There are no problems with the compressed air application at the melter. The desired data is captured and logged.

The analysis and consultation of the user on site by BEKO TECHNOLOGIES has proven its worth.



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### Products:

Products used, as a special construction on a steel plate ready mounted:

1 x DRYPOINT AC 119 adsorption dryer

1 x CLEARPOINT S055VWM compressed air filter

1 x CLEARPOINT S040XRS dust filter

1 x CLEARPOINT V activated carbon filter with cartridge

1 x METPOINT FLM SF13 sensor for volume flow measurement

1 x METPOINT DPM SD23 sensor for pressure dew point measurement

1 x METPOINT BDL compact 2DE data logger

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