

## **For a non-profit purpose: Thanks to ASCO and WISAG a historic steam locomotive shines in new splendour**

*ASCO CARBON DIOXIDE LTD is based in Romanshorn (Switzerland) and a solution provider in the wide field of CO<sub>2</sub> and dry ice technology. The Swiss company offers a wide range of ASCOJET dry ice blasting units which allow a gentle and highly efficient cleaning for countless surfaces. Recently, ASCO and WISAG Production Services GmbH in Donaueschingen used the ASCOJET cleaning method for letting blaze a historic steam locomotive in the brilliance of past glories.*

For years, WISAG Production Services GmbH depends on ASCOJET dry ice blasting units when it comes to support their customers in cleaning different surfaces gently yet highly efficient all along the industrial value chain. The advantages of cleaning with dry ice are obvious: This gentle and dry cleaning method can be used very economically and therefore saving costs thanks to its effectiveness, flexible capabilities and the low consumption of blasting material which consists of pure CO<sub>2</sub>. The surface to be cleaned will not be damaged or altered maintaining top product quality. Dry ice blasting does not use any solvents or other chemical substances which is why ASCOJET dry ice blasting is an extremely environmentally friendly cleaning method causing no secondary waste. In short: The perfect cleaning process when it comes to restore old, historical steamers such as those in the German steam locomotive and model railway museum in Tuttingen, Germany.

Located directly on the Danube, small and large locomotive lovers can get inspired by all the historic exhibits from the steam engine era. However, the maintenance of the museum requires a lot of help from dedicated volunteers. Also ASCO and WISAG agreed to make their contribution by whipping a special steamer back into shape – Germany's last steam locomotive which was part of the regular railway operation until 1994. Specifically for this purpose, ASCO provided one of its ASCOJET dry ice blasting units while WISAG supplied the required dry ice, produced in their own in-house dry ice production.

The cleaning process was simple for the ASCOJET dry ice blasting unit despite the fact that the steamer was covered under decades of oil, moss and weather residues. Thanks to the dry ice's cooling effect and the perfectly adapted application parameters, all contamination

were gently removed without damaging the original varnish of the historic relict. Basically, ASCOJET dry ice blasting technology removes all material which strongly reacts to differences in temperature. ASCO advises its customers individually when it comes to setting the optimal blasting parameters for each application. For this reason, ASCOJET is not only a cleaning process but stands for individual solutions that increase quality and flexibility in the daily working process. In the present case, it ensured an optimal restoration result.

Thanks to the voluntary work of WISAG and ASCO, the historic steamer now shines in the splendour of a bygone era and is ready to be seen by many visitors.

### Graphical Material:



*All parameters of ASCOJET dry ice blasting method get individually adapted so that an optimal blasting result can be achieved in no time.*



*The before & after result proofs: Decades of contamination got completely removed while the steamer's original varnish was not damaged.*



*ASCO and WISAG are pleased about the successful cooperation for the non-profit purpose.*

#### **About WISAG**

WISAG Production Service GmbH is part of WISAG Industrie Service Holding GmbH which is headquartered in Frankfurt am Main, Germany, and one of Germany's leading industrial service provider. Core business of the family enterprise is the acquisition of secondary processes related to production and management for industrial customers. The range of services includes maintenance, technical cleaning, industrial facility management, plant construction for electrical engineering and building technology, manufacturing logistics, production support and assembly industry.

With more than 9,000 customers and a turnover of 653 million euros in 2014, WISAG Industrie Service Holding GmbH is a leading service company in the industry. The company employed about 13,500 people in more than 70 branches in Germany in 2014. [www.wisag.de](http://www.wisag.de)

#### **About ASCO**

Swiss ASCO CARBON DIOXIDE LTD is a provider of complete CO<sub>2</sub> and dry ice solutions with customers worldwide. The product range includes CO<sub>2</sub> production and recovery plants, dry ice blasting units, dry ice production machines, CO<sub>2</sub> cylinder filling systems, CO<sub>2</sub> vaporisers, CO<sub>2</sub> storage tanks, CO<sub>2</sub> dosing systems for water neutralisation and various other CO<sub>2</sub> and dry ice equipment. Thanks to this broad product range and more than 120 years of practical experience in the wide field of CO<sub>2</sub> and dry ice, customers benefit from individual, complete CO<sub>2</sub> solutions from a single source. Since 2007 ASCO has been part of the international industrial gas enterprise Messer Group and is its competence centre for CO<sub>2</sub>. By joining forces with the German BUSE Gastek GmbH & Co. KG, based in Bad Hönningen, in the year 2014, the expertise and product portfolio was pooled and significantly expanded. This applies in particular to the complex field of CO<sub>2</sub> recovery. [www.ascoco2.com](http://www.ascoco2.com)

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