

CUSTOMER: SIEMENS POWER AND GAS

tecRacer brings Internet of Things and Big Data onto an AWS-Plattform

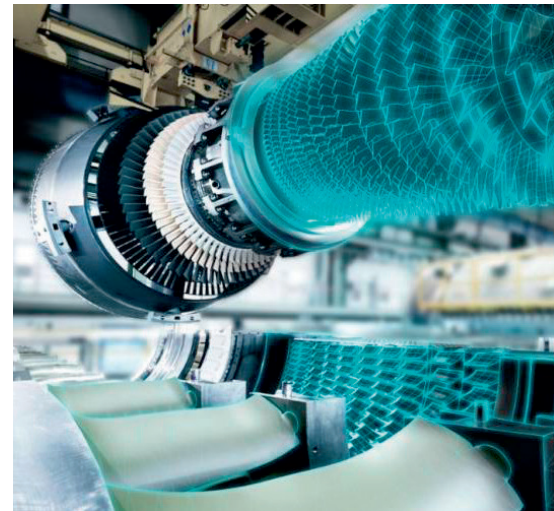
Siemens Power and Gas operates numerous power plants, distributed all over the world. Their data is equally distributed, from SAP databases to Excel spreadsheets on a local drive. Previous attempts to bring the data together incurred high costs and took several years. By the time the solutions were completed, they were often already outdated due to changed requirements.

Consolidate and analyze data

The aim was to know more to be able to get better: From the customer's request, be it a power plant or a turbine, to completion and in service afterwards. To do this, large amounts of data from various sources such as sales, design, manufacturing, testing and the subsequent operation of the products were to be connected. Analyzing this data provided by Internet of Things sensors allows conclusions to be drawn about how changes affect and improvements can be made.

Dynamic, scalable, variable - the cloud solution with AWS

Siemens needs a dynamic system that is scalable and variable and can continue to grow. The decision falls on a cloud solution that offers far more possibilities than a local system. Looking for cloud experts who could jump-start the process, Siemens came across tecRacer. "We asked around and looked for a partner who could help us link the Siemens world with the cloud world", reports the project manager at Siemens Power and Gas, Dr. Kevin Brechtel. tecRacer starts by setting up solutions around a central data warehouse on Amazon Web Services (AWS)



Customized training for Siemens: AWS and more with a certificate

The project team at Siemens consists of a small number of people who are to enable other teams to work on a common data analytics platform. tecRacer designs a custom eight-day training course for Siemens that teaches both AWS content and know-how specifically required for using the data platform. The eighth day consists of a four-hour exam and, if successfully completed, a certification. Only with this "platform driver's license" employees are allowed to work on it. "Six to eight people take part in each training session, two sessions have already taken place, and we have three more firmly planned, so that 30 to 40 people will then be working with the platform - and the number is rising," explains Ralf Neumann, Senior Cloud Consultant at tecRacer. "Complementing the mandatory training, we have so far held two webinars on different topics, with 20 participants each."

"tecRacer has understood how Siemens ticks, which is very valuable for us. Even if decision-making paths are sometimes longer for us, they are flexible and very fast," notes Dr. Kevin Brechtel. "tecRacer is always up to date with new developments in the cloud world. The partnership is very pleasant. That's why we also want to work together in the longer term."

Contact at the customer:

Albin Bajric (Chief Digitalization Office and Transformation | Data Analytics), Siemens AG, Erlangen, Power and Gas Division, Technology and Innovation

The Power and Gas Division of Siemens AG offers utilities, independent power producers, plant manufacturers and industrial customers such as the oil and gas industry a wide range of products and solutions, for example generators, turbines, and energy solutions.

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Project goal

- Merging Big Data from different sources in the cloud

Project duration

First phase: January to December 2016

Project deliverable tecRacer

- Infrastructure based on AWS and porting of existing applications Interface for Amazon Redshift
- ETL process infrastructure
- Consulting in the development process and on the use of AWS
- AWS training with certification for use at Siemens

About tecRacer

tecRacer, headquartered in Hanover and with locations in Duisburg, Frankfurt, Hamburg, Mannheim, Munich, Vienna, Lucerne, Geneva and Lisbon, offers Amazon Web Services (AWS) Consulting & Training Services from a single source - seamlessly integrated, across the entire cloud lifecycle - from strategy to implementation to operation.

The strategy also remains the clear focus on Amazon Web Services. Here, according to an independent study by Crisp Research, tecRacer is probably the most competent and important partner in Germany. And the focus on AWS proves tecRacer right: As part of the AWS Partner Summit 2021, tecRacer received the „AWS Consulting Partner of the Year“ award. The owner-managed company, which was awarded as a Top Employer for medium-sized companies, now employs more than 150 permanent staff, has trained more than 12,000 participants in AWS and has already successfully implemented more than 250 AWS Consulting projects.

For more information, visit www.tecracer.com. Or contact us at aws-sales@tecracer.com.

