

CUSTOMER: SIEMENS AG

## tecRacer for Siemens: Efficient cost optimization in the cloud

Siemens AG is a leading technology company focused on industry, infrastructure, mobility, and healthcare. Resource-efficient factories, robust supply chains, intelligent buildings and power grids, low-emission and comfortable trains, and advanced healthcare - the company supports its customers with technologies that provide them with tangible benefits. Siemens already uses cloud resources in the Amazon Web Services (AWS) cloud, Microsoft Azure, and Google (GCP). With all the advantages of the public cloud, Siemens is also aware of the challenges in terms of cost control and efficiency and has therefore set itself the goal of making the savings potential transparent for the owners of the cloud accounts to be able to realize it.

### Transparent cost overviews for cloud account owners

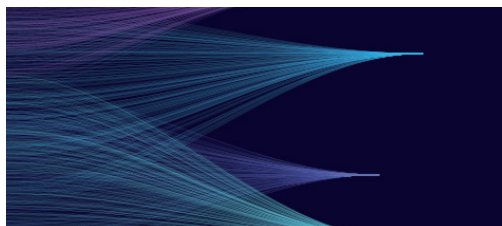
A decentralized organization offers the advantage that development and system administration departments can quickly and easily launch resources. By using the public cloud, IT resources are no longer procured centrally. Since traditional procurement and controlling mechanisms do not go far enough, new solutions are needed to create cost transparency. Siemens' primary goal was to uncover the savings potential of cloud resources. Regularly providing overviews of costs incurred and optimization options should enable account holders to realize savings potential. The most significant leverage is seen in the AWS cloud, where most cloud resources are used.



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### High savings potential and low risk for productive processes

As a Premier Consulting Partner in the Amazon Partner Network (APN), tecRacer began working with Siemens Corporate IT to identify and evaluate potential use cases for savings. These were prioritized in a joint team according to two criteria: high savings potential and low implementation risk so as not to interfere with productive processes. tecRacer analyzed the data qualitatively to provide a sound decision-making basis for assessing the relevance of the use cases. In addition, a monthly recurring, fully automated process was implemented together with Siemens IT IPS, which shows the current savings potential of the individual accounts and provides recommendations for action. Aggregated cost and savings reports are available for each business unit.



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### Integration of additional data sources and FinOps Cockpit

Additional features are currently being implemented. AWS and Microsoft Azure will be connected as additional data sources. Further use cases will be implemented on AWS and Azure. For graphical representation, a frontend with overviews of all resources with saving possibilities and trends over the fiscal year is being built, the „FinOps Cockpit“. Whitelisting capabilities will be implemented so that cloud account owners can hide repeated notifications of known uncritical resources.

### Customer Contact:

Bosko Corak Siemens IT IPS, Senior Public Cloud Architect and Service Integrator, Belgrade:

*“With shared responsibility for the cloud, transparency is also required in order to identify and exploit savings potential. The combination of proven tools and customized solutions with tecRacer's extensive experience results in efficient cost optimization and improved control over resource utilization.”*

**SIEMENS**

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### Project Objectives

- Identify savings potential in the distributed organization
- Transparent overviews and recommendations for action for account owners

### Project duration

Since December 2022

### Project Services tecRacer

- Identification and prioritization of use cases
- Integration of additional data sources (AWS and Microsoft Azure)
- Automated periodic process with dashboards
- Provision of aggregated evaluations for savings potential and costs per business unit
- Creation of the front end „FinOps Cockpit“

### Tools used

- GitLab pipelines
- AWS tools
  - Amazon Simple Storage Service (Amazon S3)
  - Amazon Athena
  - AWS Lambda, API Gateway, Relational Database Service (RDS)
  - CloudHealth, cost and usage reports, AWS Trusted Advisor

### About tecRacer

tecRacer, based in Hanover with ten other locations in Duisburg, Hamburg, Frankfurt, Munich, Mannheim, Berlin, Vienna, Geneva, Zurich and Lisbon, offers AWS (Amazon Web Services) consulting, training, managed services, and project management from a single source - seamlessly integrated across the entire cloud lifecycle - from strategy to implementation and operation.

The strategy remains the clear focus on Amazon Web Services. tecRacer is an AWS Premier Tier Services, AWS Advanced Tier Training, AWS Managed Services and AWS Reselling Partner.

Today, the owner-managed company has more than 150 permanent employees, has trained more than 12,000 participants in AWS and has already successfully implemented hundreds of AWS consulting projects.

You can find more information at [www.tecracer.com](http://www.tecracer.com) or contact us at [sales@tecracer.com](mailto:sales@tecracer.com).

