

# Cost-Effective Google Cloud Infrastructure

GREG SOLUTIONS



# About The Client

**INVENTIFY**

<https://inventify.com>

Inventify AG is a Swiss software startup, focusing on the development of Software-as-a-Service (SaaS) and cloud solutions for businesses across various industries.

LOCATION

**SWITZERLAND**

INDUSTRY

**SAAS PROVIDER**

# The Challenge

## SECURITY

Build a reliable infrastructure to store sensitive user data

## CI/CD

Automate the client's Continuous Integration & Continuous Deployment process

## BACKUP

Implement data backup management procedures

## AUDIT

Implement centralized user management, logging and monitoring

## AUTOMATION

Automate integration and unit-tests

# Project Summary

## TEAM SIZE

2-3 DevOps  
Engineers

## DURATION

22 months + ongoing  
development

## EXPERTISE DELIVERED

- Google Cloud Infrastructure Design
- DevOps Consulting
- Backup System Development Infrastructure
- Cost Reduction
- Kubernetes & Docker Adoption
- CI/CD Implementation
- Monitoring System Integration
- Logging System Integration
- Configured VoIP Telephony



# Numbers

DECREASED INFRASTRUCTURE COST BY **72%**

DECREASED DEPLOYMENT TIME BY **82%**

# Results

## GOOGLE CLOUD INFRASTRUCTURE

Built a cost-effective and secured infrastructure using Google Cloud Platform and Google Kubernetes Engine

## CI / CD

Introduced the fully automated Continuous Deployment and Continuous Deployment process

## USER MANAGEMENT

Integrated role-based access using LDAP to manage access to all software development tools, like Jira, Confluence and TeamCity

## AUDIT

Implemented centralized user management, logging and monitoring

# Configurations

## CODE QUALITY

Automate the performance of unit and integration tests, integrated SonarQube for code quality checks

## VOIP TELEPHONY

Configured VoIP telephony using FreePBX running in Docker as solution  
VoIP telephony

The screenshot displays the SonarQube web interface for a project named 'Your Project' (branch 'master'). The 'Overview' tab is active, showing a 'Quality Gate Status' of 'Passed' (All conditions passed). The 'Measures' section is expanded to show 'Overall Code' metrics:

- 1 Bug
- 0 Vulnerabilities
- 6 Security Hotspots (0.0% Reviewed)
- 4d 4h Debt
- 259 Code Smells
- 0.0% Coverage on 12K Lines to cover (Unit Tests: 659)
- 1.0% Duplication (Unit Tests: 1.0%)

# Technical Stack



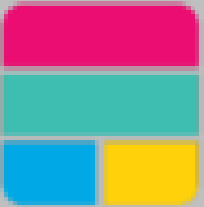
Prometheus



Google Kubernetes Engine



TeamCity



Elastic Stack



Apache Kafka



Google Cloud Platform



GoCD



LDAP



Docker



MongoDB



Terraform



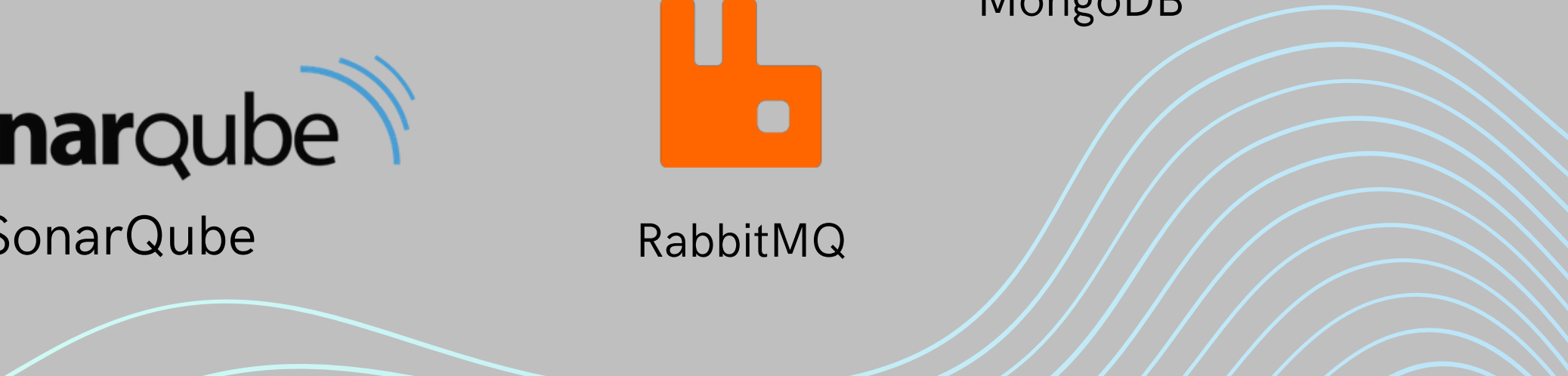
PostgreSQL



SonarQube



RabbitMQ



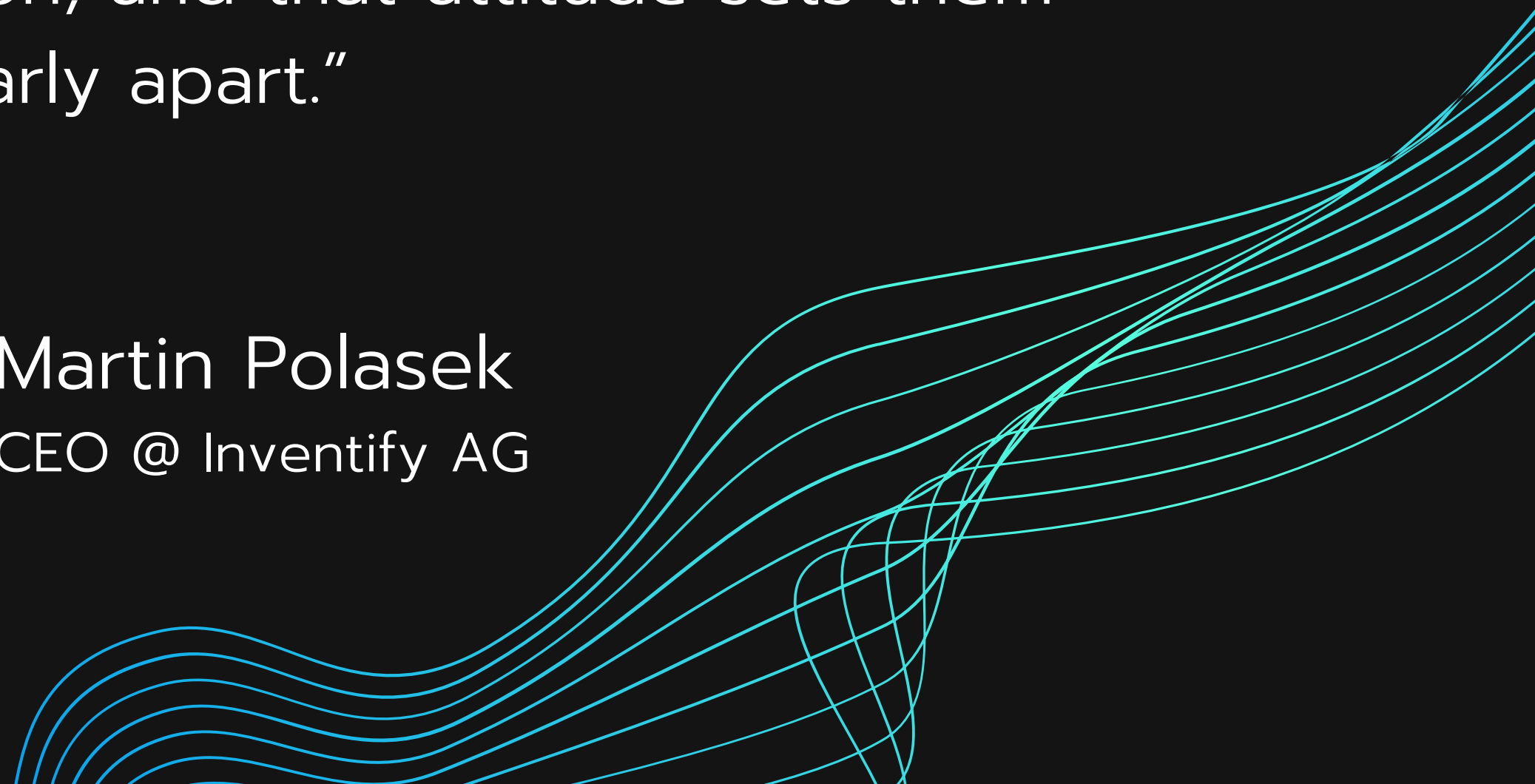


# Client Feedback

“Their team constantly on top of the latest technologies and approaches, which helps us to take advantage of those techniques in turn. They view their jobs more as a passion than a profession, and that attitude sets them clearly apart.”



Martin Polasek  
CEO @ Inventify AG





# Let's keep in touch

## CONTACT US

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## READ MORE

<https://greg-solutions.com/cases/inventify>