From: Smart Cable Guard
Date: 2021-07-13
Subject: SCG Platform APAC

RELEASE NOTES

Release APAC 2021-07-13

New features

- Our new queuing platform "**Kafka**" will increase the system capacity for data (pulses, faults, waveforms and more). Moreover, Kafka supports data replications. This makes our data even more reliable and protected from all kinds of processing failures. Kafka is opening new doors for future data exchange with customers and makes collaboration and integration with customer platforms easier.
- With this release we introduced a new systems monitoring and alerting software called "Prometheus". With this advanced toolkit we are able to collect all important telemetry of our SCG platform in one central repository.
- On top of "**Prometheus**" we introduced new dashboard software called "**Grafana**" which enables us to build modern and sophisticated dashboards for improved monitoring of our SCG platform by our 24/7 team.
- The introduction of "**Redis**" software enables us to speed up all processes around caching and session management. All Redis data resides in-memory, in contrast to databases that store data on disks or SSDs. By eliminating the need to access disks, in-memory data stores such as Redis avoid seek time delays and can access data in microseconds.
- The introduction of "**Cassandra**", a distributed NoSQL database management system, is meant to handle large amounts of data. At SCG we will use this to store all Partial Discharge records which represent the majority of our data volume.

Changed feature

- Our CWI portal is now also available in the German (Deutsch) language next to English and Chinese.