

A hackathon for creating unique digital solutions for ISA CTEEP

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Cocreating solutions with ISA CTEEP and developers

The HackaSiemens, a hackathon organized by the Brazilian MindSphere Application Center, aroused great interest in the Brazilian hacker community, with more than 550 participants taking part. By the fourth day of the event, new software solutions for the Brazilian transmission system operator ISA CTEEP had been developed based on the open cloud-based IoT platform MindSphere.

Transmission system operator ISA CTEEP was looking for a solution to provide reliable operating conditions for current transformers in order to prevent unplanned outages in high-voltage power substations. By improving the reliability of the current transformers, possible failures can be predicted to plan for contingencies before an outages occurs.

The solutions cocreated duringin the HackaSiemens focused on using the latest in artificial intelligence technology, Chatbox, a tool to improve interactions between customers and machine manufacturers, and augmented reality.

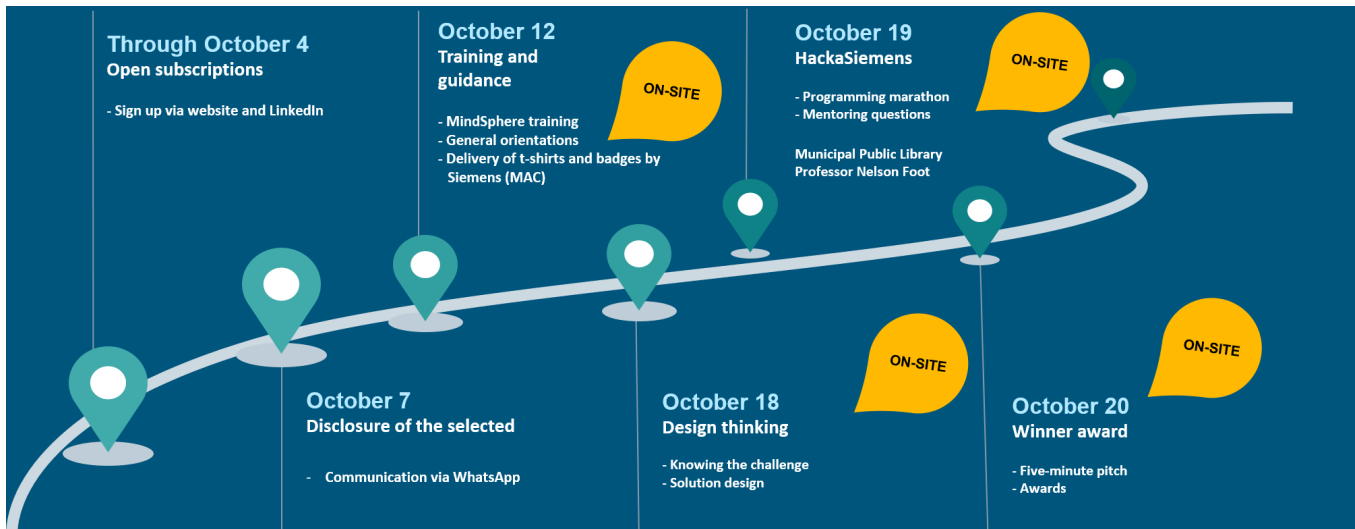
The HackaSiemens generated solutions that addressed the needs of ISA CTEEP and are being implemented to create an ecosystem of collaborative innovation. The solutions are

- Improving asset management
- The creations of participants aged 14 to 60
- A product of students, developers, startup integrators and many more working together
- Only a small part of the 1,800 other ideas that evolved out of the event



With different methods and team work, many unique ideas were invented in the four-day long hackathon event.

ISA CTEEP and Siemens: Together for a better future



"The hackathon participants presented several interesting solutions, all focused in integrating hardware with software in the MindSphere application. We are sure that this is the way to better asset management and, consequently, will translate into a better service delivery for society."

Daniel Barbin, Coordinator of the Commissioning and Protection area of ISA CTEEP

Just the right solution with great benefits

The newly developed solution for ISA CTEEP will monitor the operating conditions of current transformers in high-voltage power substations while working with a combination of applications and sensors.

This solution benefits ISA CTEEP in term of advanced asset management that enables an improved service delivery to society.

The HackaSiemens - a success formula

The HackaSiemens is writing a successful story in Brazil: In 2019, four events took place using the powerful networking atmosphere of a hackathon and demonstrating an impressive formula for success. These events help develop digital solutions for the key challenges faced by customers.

HackaSiemens pushes creative innovations for all steps in the production chain. More than 20 applications were developed for the IoT platform MindSphere in Brazil.



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