Benefits of redesigning the Train Guard PTC BOS, Using Flutter as a solution for a Hybrid webapp BOS rel Redesign Siemens Trainguard PTC BOS system, a Native Desktop app, based in WInCC and... (some other tecnical details) servers Other ways to gather exciting data for It works with Windows with subsets of graphical UI that displays information about the program it belongs to stakeholders one standby node from the UX perspective A UI redesign to show the new experience spending 15 secs to open the main window to put its User and password, on the other hand, with the expected new UI with Flutter we will make 0.3 segs. LINK HERE Use a all in one framework such as Flutter a cross-platform framework with a single code base Survey to Developers, Clients suitable for Desktop, Web and both IOS and Android. For example, 80% of our clients prefer/wants/know this or that Talk directly with Developers What do we know? What info can we gather that helps to make stakeholders understand th What v F 11 57 11 resume of the top problems that our solution can solve For example, We have these time-consuming and time-cost procan fix them with these What do we know about Flutter vs native applications to help stakeholders decide if its suitable for the project · Heuristics Exam to the BOS U A new UI design system that could work with any possible application all related with the international Siemens Guidelines The Heuristics are these rule-of-thumb strategies shorten decision-making time We know that the major drawback of most cross-platform frameworks is th and allow people to function without constantly stopping to think about their unpredictable behavior of interface elements as well as slow animations next course of action. At the same time, the development and support of native apps require We use it when someone is trying to understand what is going on with a significant investments. This is because developers have to adjust business interface and why something its confusing logic, interface, and layout to the features of each platform. Hence, low-budget Flutter is becoming more popular with hi-tech businesses, compared to native We took this 10 steps an mesure the design, system or digital product, gets technologies, as illustrated by the figure below. This heuristics are just a part of a complete study that may involve 16, Of Stack Overflow questions that month Benchmarking, Survey, card sorting and other UX artifacts Benefits of the New Redesign Right now the actual BOS UI uses a IDE system with its own Graphical User Interface (GUI) to interact with a user, that means that a developer starts a window to call other windows with buttons and action

bouth to bring a new base of digital design assets.

The fact of been created using Google rules give us the compatibility to

Therefore these New Design is 100% compatible with Flutter.

use it for cross-platform applications, to maximize the look and feel of our applicati

All the design pieces was created on Figma, a standart colaborative tool for designers and developers

Project Type

PITCH, HELPING TO GET SIEMENS BOARD ATTENTION

The use of Flutter can be particularly interesting for the banking sector. Flutter

might even be safer compared to native apps since its source codes are

Working with the Siemens Mobility leader means adding work that could help him to:

- Create OKRs and a Pitch to attract attention and the money necessary from the Siemens directive to invest in the creation and redefinition of the actual tool, bringing absolute mobility with Flutter.
- Worked on documenting, creating presentations, adding Survey results, Stakeholders' solutions clustering, Defining Developer's pain points and bias, and the New Screens, to give the team leader tools to bring to the Siemens directive; we got the permission to start working with the division between Win CC OA and DevOps plus any backend activities.

Flutter is a popular cross-platform framework with a single code base, operating

with Dart programming language: Launched only in 2018 by Google; Flutter has

SECOND PROJECT: TABLET/MOBILE APPROACH FOR ON FIELD WORKERS

The Project owner from Siemens started talking with other directors that needed help with their projects. One of those was a tablet solution to report everything directly on the field; the worker could see the train's map in real-time, alert, send or deny permissions, and look at the general status; no one on the market has that.

Here we traveled and worked together for a spring of one week to deliver an MVP for a global Siemens Expo, winning the interest that detonated the idea of starting merging a tablet size with all the capabilities of the first project.

You can see the prototype here:

Siemens Tablet App

