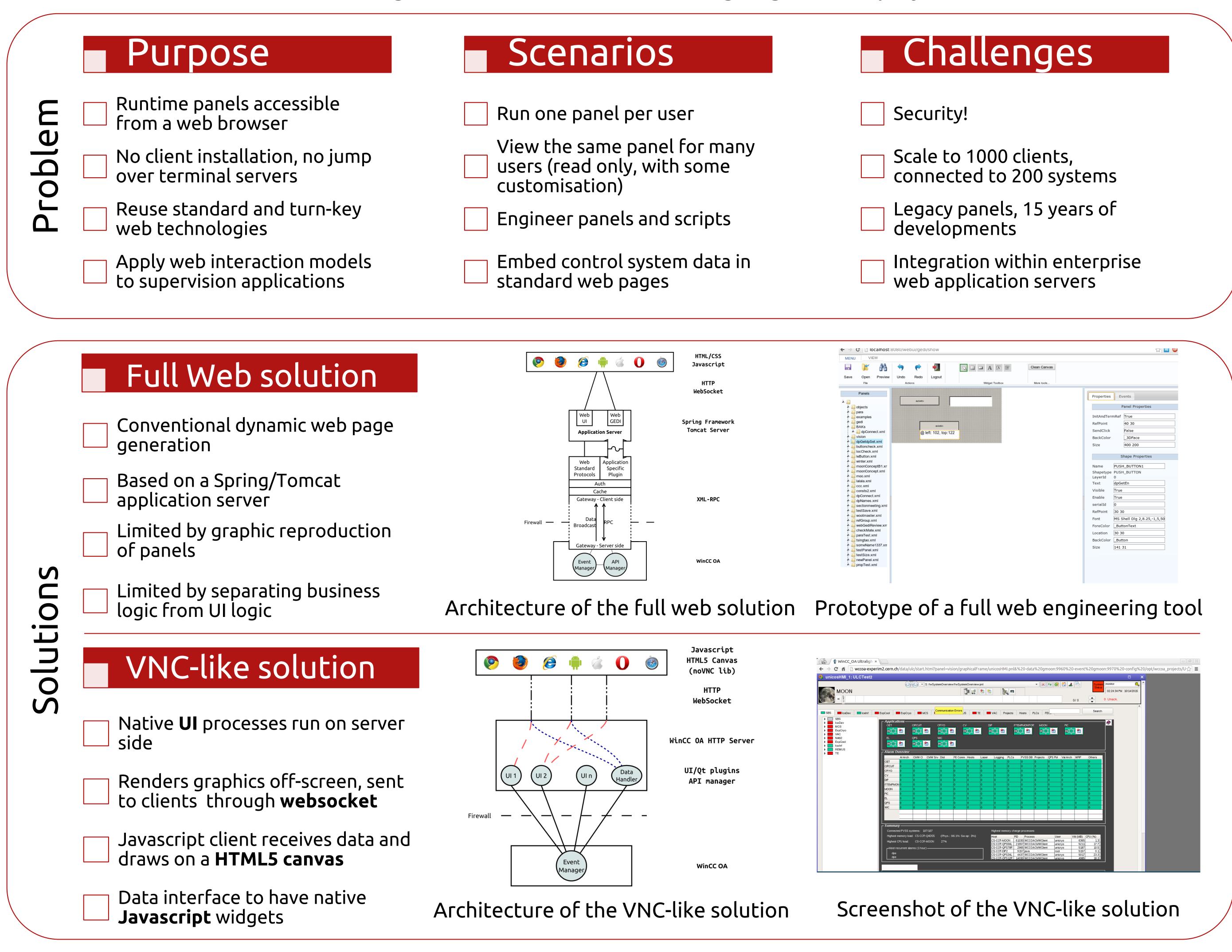
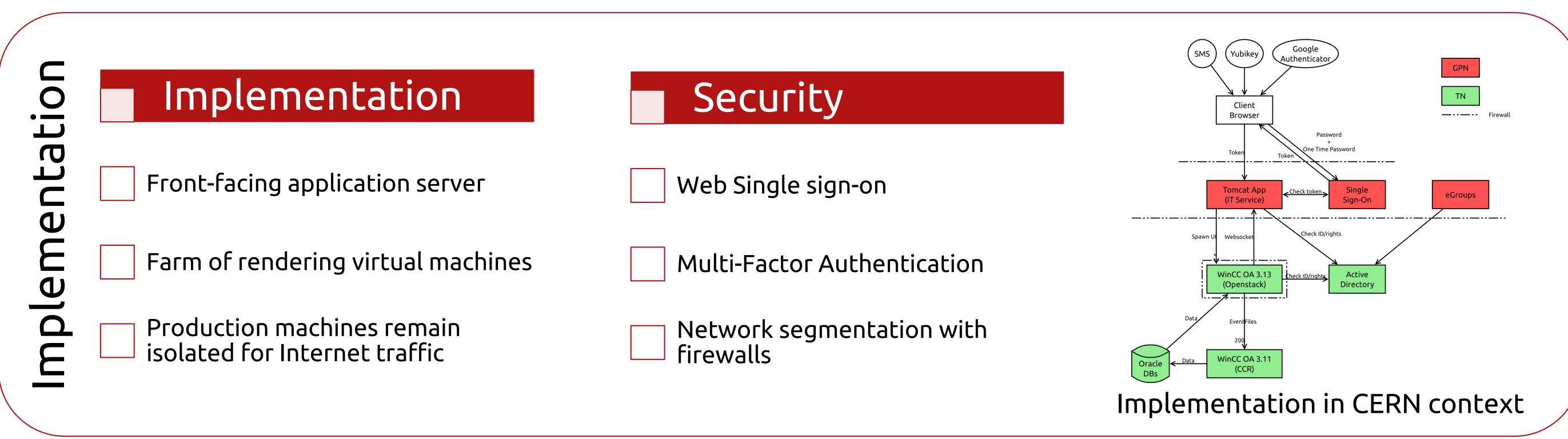
## INTEGRATING WEB-BASED USER INTERFACE WITHIN CERN'S INDUSTRIAL CONTROL SYSTEM INFRASTRUCTURE



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Although web applications are common nowadays, it has always been challenging to put user interfaces of industrial control systems on the web. This poster presents the scenarios and the requirements for a large scale deployment of a web solution. We also present two architectures that were investigated, and how one of them is going to be deployed.





Enabling web access to industrial control system is a feature expected by many CERN control system users. For these critical pieces of the installations it is important to ensure a robust implementation. Considerations about security, legacy developments, scalability and integration are fundamental in this project.

Through various prototypes and benchmarking a suitable solution using a VNC-like approach was found respecting all requirements. Users of industrial control systems at CERN will soon be able to access their supervision applications through a web browser without using dedicated software. This is the result of a fruitful cooperation between the provider of WinCC OA (ETM), the CMS experiement and CERN industrial controls team (EN-ICE).



