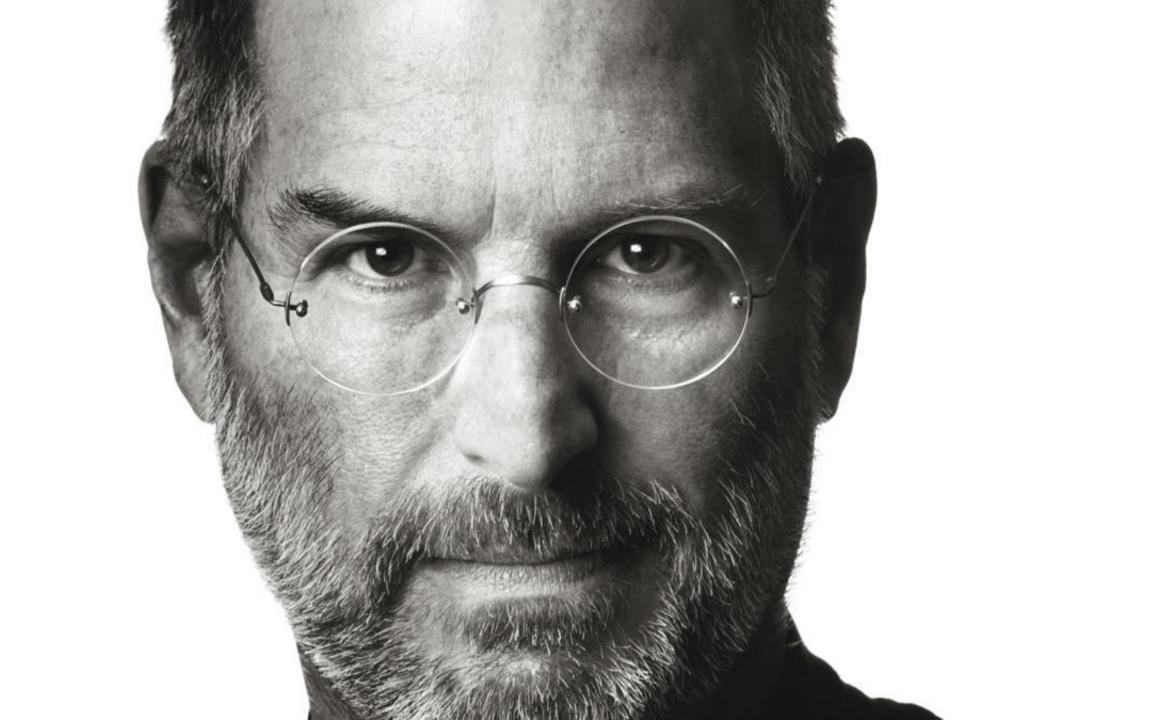
# TheSignallingCompany

how to create railway digitalisation unicorns in Europe



### Stanislas Pinte CEO at The Signalling Company - VP Signalling at Skoda Group



# The railway industry asking for modularity



#### The shift from hardware to software

and a change from an industry that updates by upgrading its hardware...'I hope that in the future, **if they need to evolve they will upgrade the software**'..."

Carlo Borghini – former executive director of Shift2Rail, currently Assistant Secretary General at NATO.

Quote suggested by Jemylia Raimbault

### Dream #1

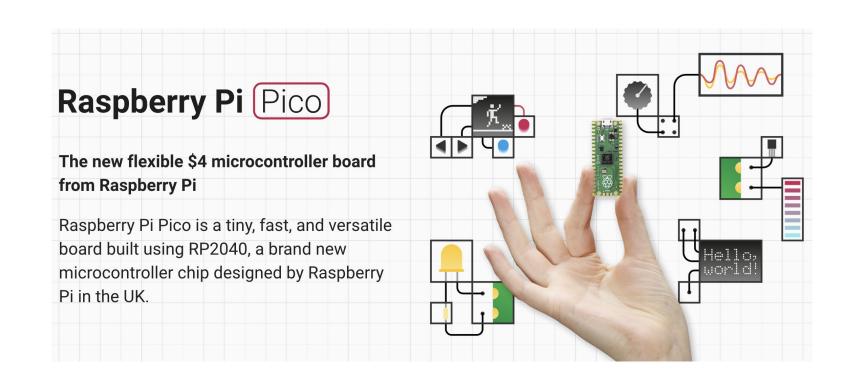
## A platform



PLCs for a monitoring system in the pharmaceutical industry

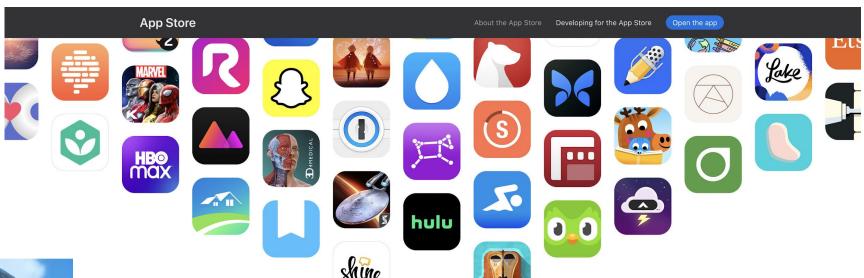
A platform = using same computer for (all) different apps

### Dream #2 Off-the-shelf hardware



#### Dream #3

# A RailAppStore











Same phones, very different needs and set of applications

Stan, Iphone 5S user



#### **The Signalling Company**

A better ETCS onboard, no more no less

Software Development · Brussels, Brussels · 3,570 followers · 37 employees

Key market facts:

Market size: 33.000 vehicles to be equipped by 2031

in TEN-T corridors

Market value: 5 Billion € for onboard equipments in

**TEN-T** corridors

41% of market demand is unsatisfied

Source: First Work Plan of the European Coordinator Matthias Ruete May 2020



#### **Next milestones:**

- iEVC platform with TBL1+ App commissioned in locomotive October 2023
- TBL1+ App certification by DEBO Belgorail/CERTIFER December 2023
- Locomotive authorized with TBL1+ Class B App June 2024
- Locomotive authorized with with ETCS June 2025



# Modularity -> 25%

faster digitalization of the EU single rail area with adequate support



How to get modularity from the technology vendors?

- 1/ Ask for long-term maintenance in your contracts
- 2/ Ask for subscription contracts where there is software (don't buy a box, buy a service)
- 3/ Ask to demonstrate modularity with concrete examples (example
- 1: how do you support an easy transition to FRMCS)
- 4/ Ask for open platforms, not boxes. Open = the possibility of anyone to develop Apps on the platform