

Tesla & Me – Best Friends!



Marcel Zehner | CTO itnetX
Microsoft Regional Director (RD)
Microsoft Most Valuable Professional (MVP)
marcelzehner.ch | @marcelzehner

Why this session?

- Show how the world and IT change ...
- Demonstrate solutions in a “not-so business related” way
- Give you some Tesla insights
- Have some fun ...



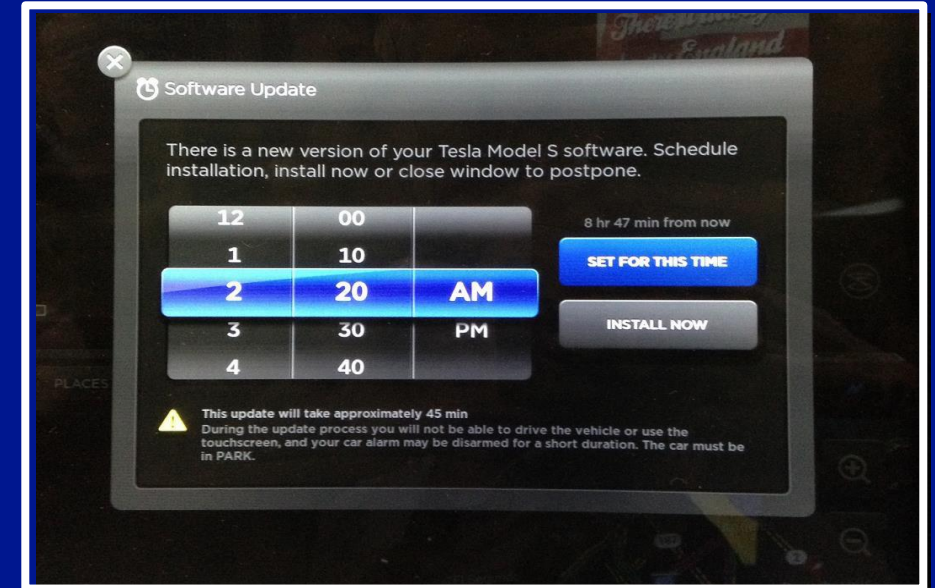
Digital Transformation

- Disruptive mission
 - Sustainable energy company
 - Solar roof shingles, Power walls, Gigafactory, electric cars, Supercharger network ...
- “Crowd-founded” Model 3
 - 500'000+ Model 3 pre-reserved
 - Each with \$1000 upfront payment
 - 500+ Mio cash, 20+ Bio revenue



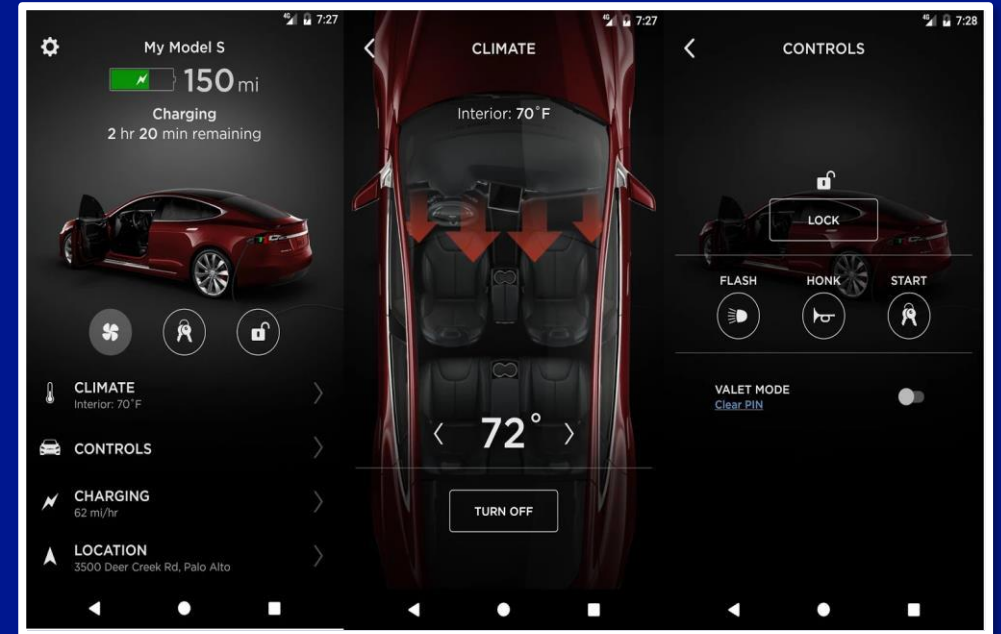
Always connected

- Vehicle delivered with SIM card
 - Permanent connection to the mothership
 - Upload: Telemetry Data
 - Download: Software Updates
- Vehicle has lots of sensors
 - IoT
 - Lots of future value – think about it!



Mobile application

- Get vehicle details
- Control the car
- 2 APIs available
 - Car API
 - Streaming API
- Why not create our own apps to work with those APIs?
 - Allows us to do almost anything



Inside the vehicle

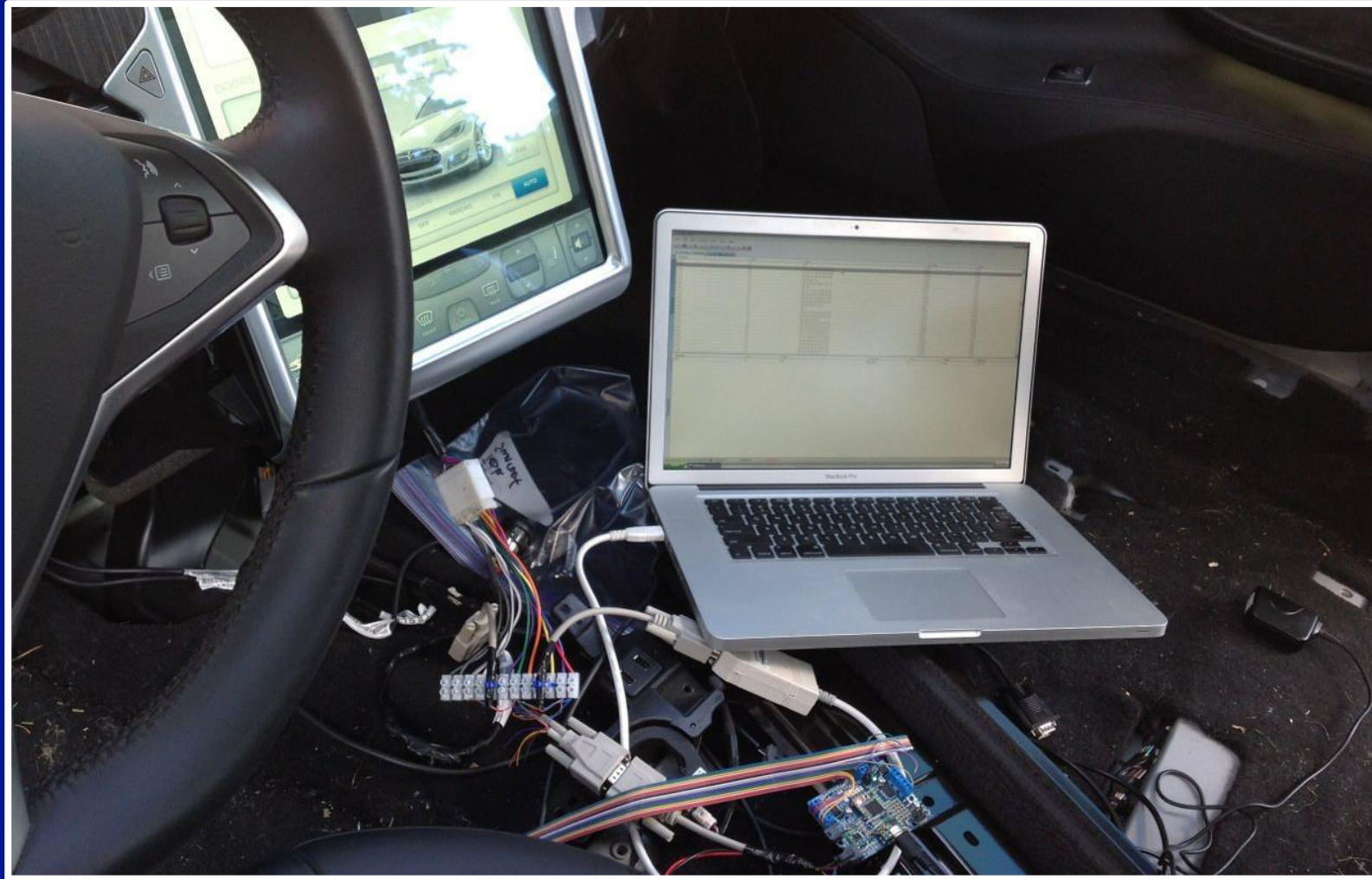
- 17' center screen
 - Music, A/C, Camera, Phone
 - Runs on modified Linux
- Dashboard screen
 - Apps
 - Autopilot control
- Main car control (motors etc.)
 - Written in C, cannot be accessed and controlled



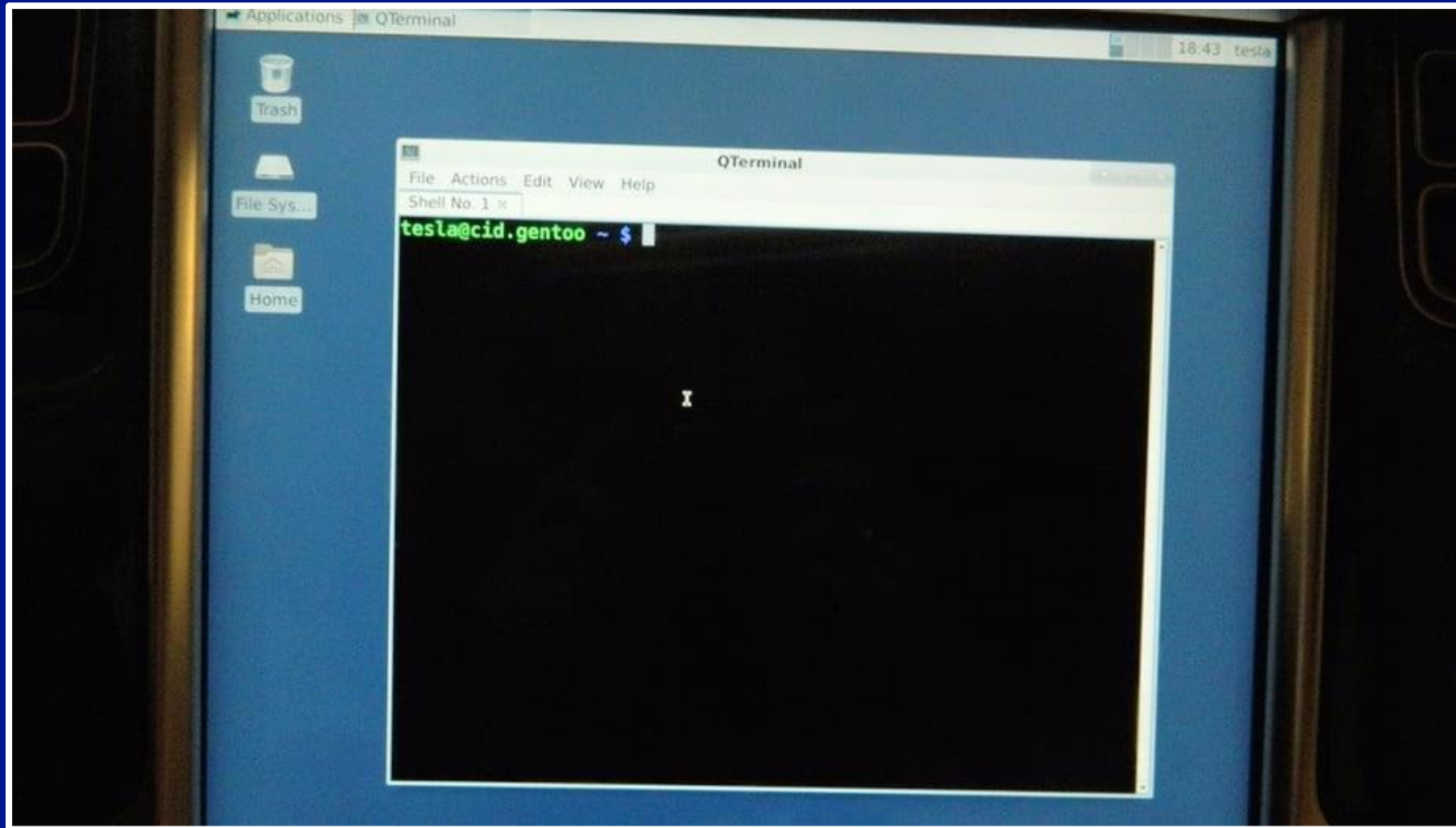
Don't try this with your vehicle!



Don't try this with your vehicle!



Don't try this with your vehicle!



Don't try this with your vehicle!



If something goes wrong

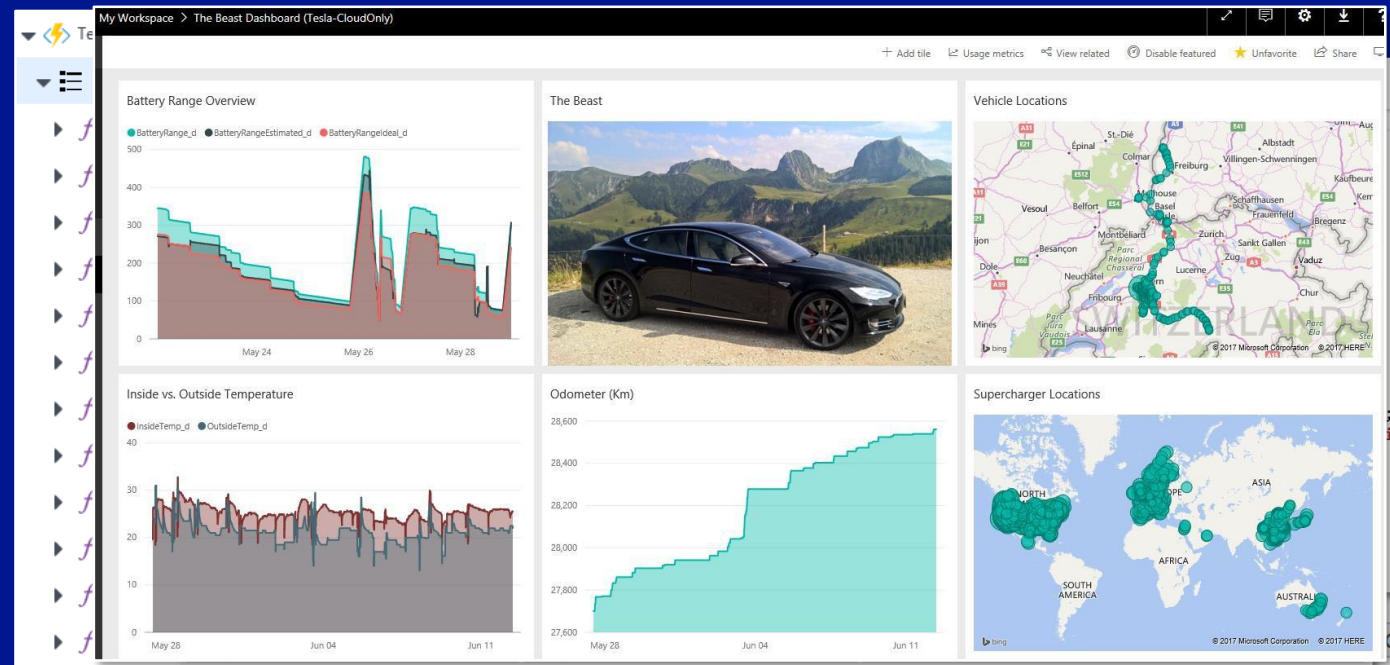
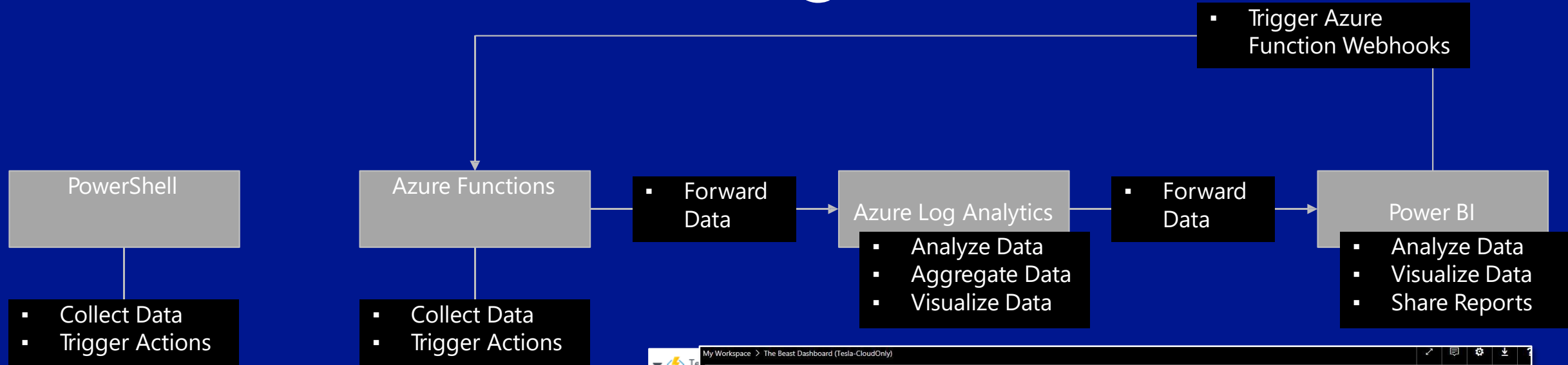
- Call Tesla support for help!
- Me: "I have a strange alert that doesn't go away"
- Tesla : "Did you stop the car and try again?"
- Me: "Yes. That did not help."
- Tesla : "Did you already try to reboot the car?"



Video



Cloud-based Tesla Management



user_sess
ient_id={1}&
Post -Body !

Cancel

Live Demo



Tesla & Me – Best Friends!



Marcel Zehner | CTO itnetX
Microsoft Regional Director (RD)
Microsoft Most Valuable Professional (MVP)
marcelzehner.ch | @marcelzehner