

Developing like there is no tomorrow

Software as a Circus

Frank Lyaruu





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supercool GOTO reward



- Est. 2001 based in Amsterdam
- Enterprise software for large companies
- Heavily invested in Java & OSGi
- Focused on sports and entertainment



SEN)RATO

- Senior Technology Architect
- Est. 2013
- Joint venture with Dexels
- Custom hardware for large events





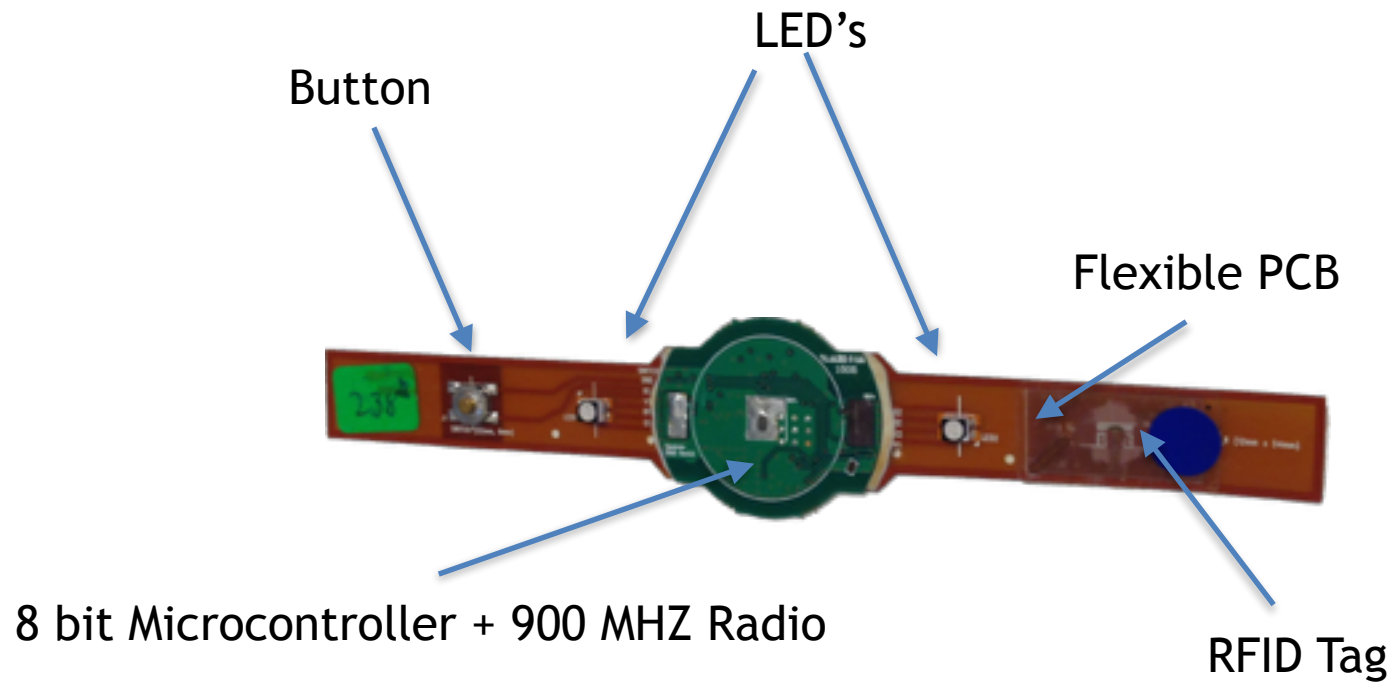
- Sendrato Technology
- DEMO!
- Hardware from a Software perspective



goto;
conference



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Base Station



Base Station

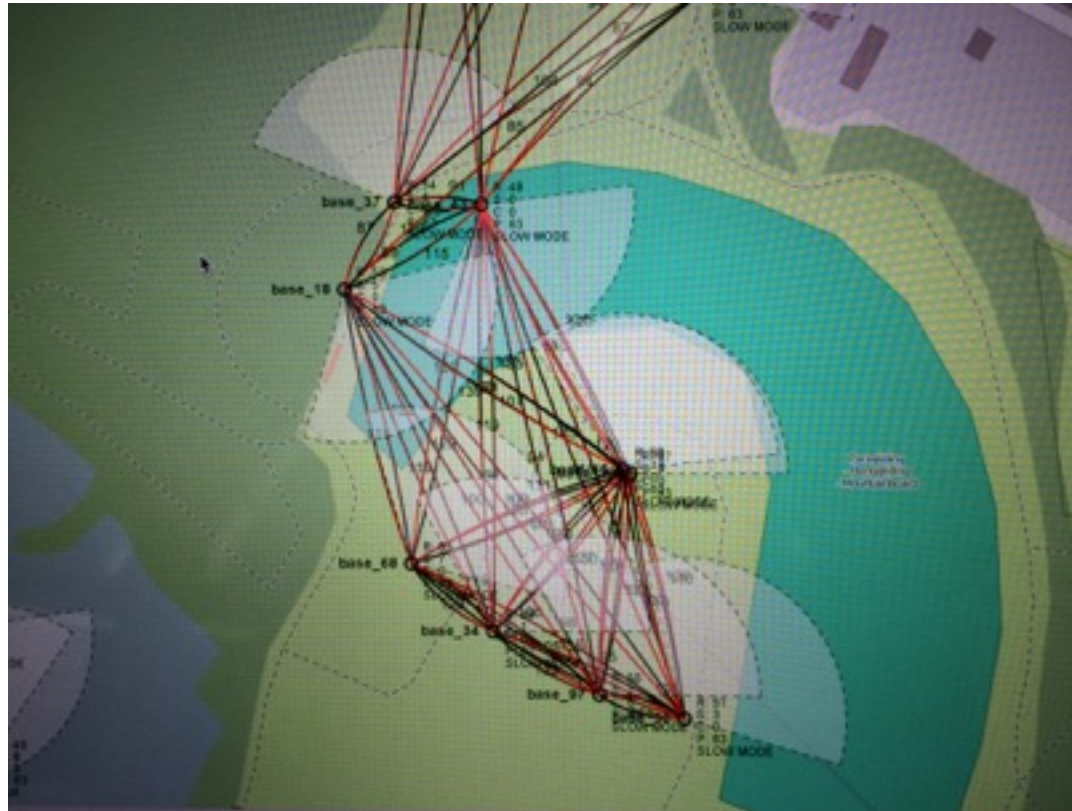
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Base Station





What can it do?

- Low res positioning
- Light shows using the LED's
- Bracelets connects
- Detect button presses



Why?

- Profile people
- Light shows using the LED's
- Button press \approx Social media like
- Social Media Connects
- Passive RFID Check-ins



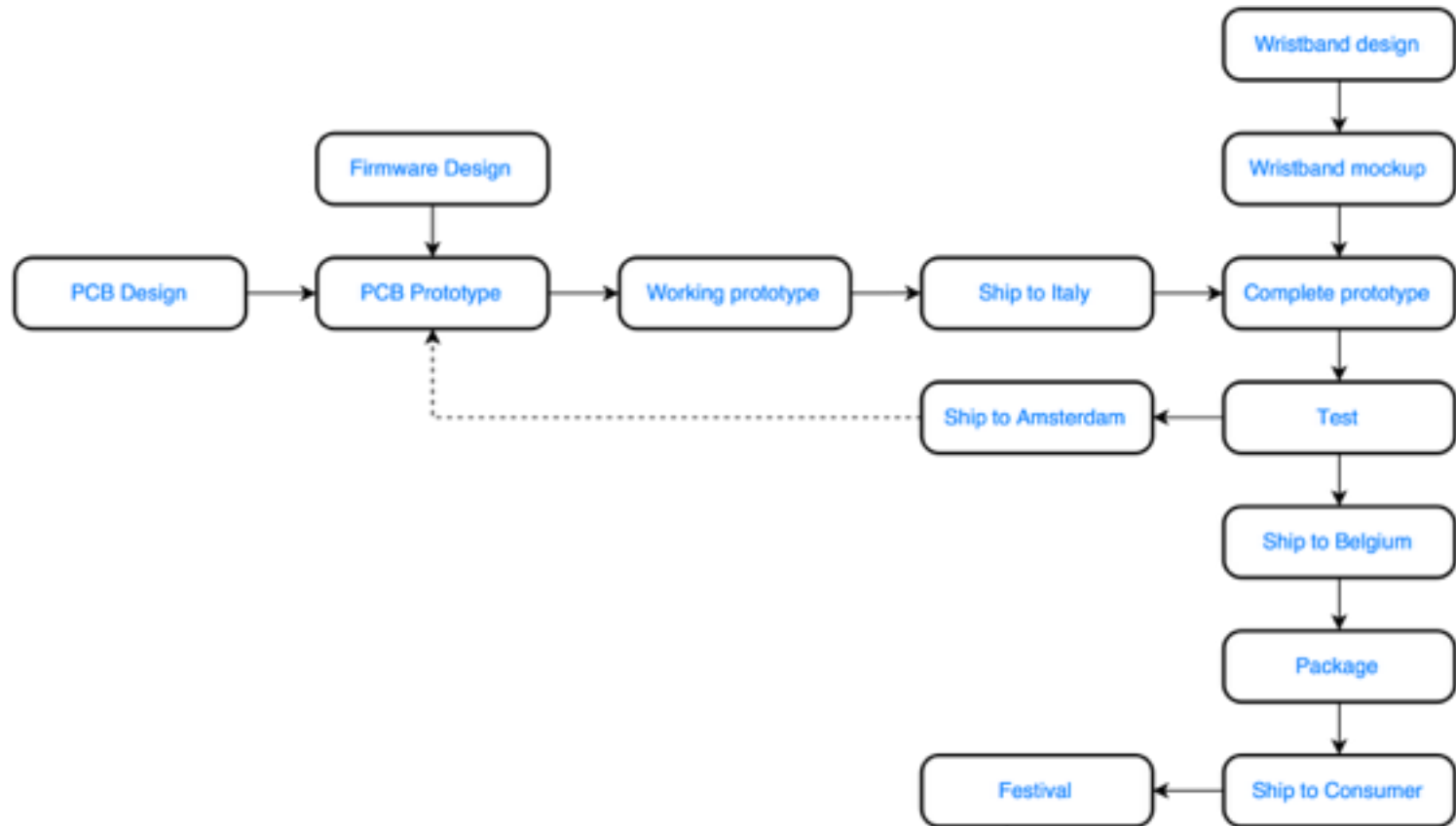


Demo!





Deploy to production



This isn't very agile...



So how did this end up in the
Agile track?



Hardware from a Software Perspective



Agile Lean Rugged



Agile wearables



- We can't change shipped hardware
- We can't update firmware in the field*
- We can update everything else



Lean wearables



- Keep it minimal
- Power consumption
- Put complexity elsewhere



Rugged wearables

goto;
conference



“Event oriented development”



Then the festival draws near...



... and it is complete chaos



Reduce dependencies

- Battery powered base stations
- Pluggable network layer
- Embedded GPS to facilitate deployment



Final thoughts



Thanks !

@lyaruu
@sendrato



Please

**Remember to
rate this session**

Thank you!

