ProGlove

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  - Hardware components dictated by product
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- Then port to Zephyr
  - Externalize build system
  - Abstract architecture
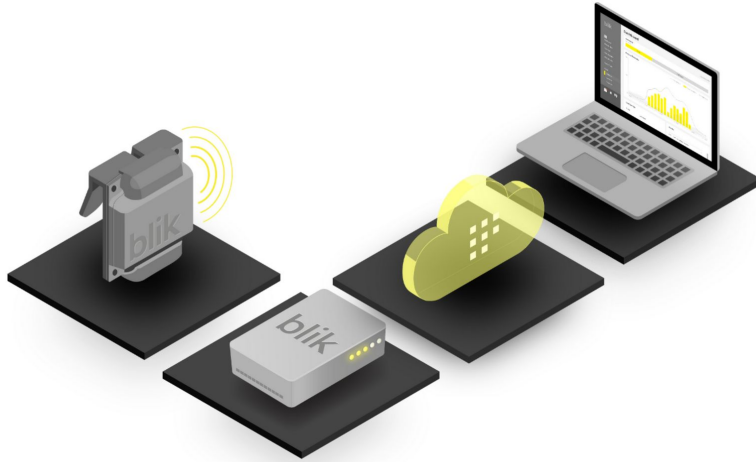 - Modular board support
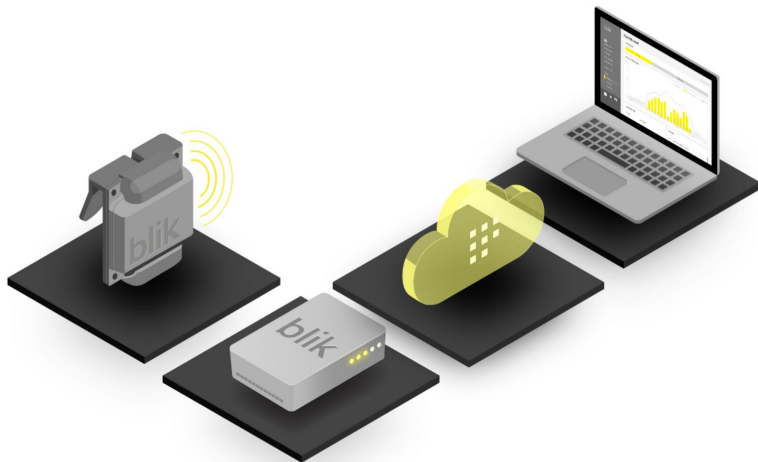
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  - Hardware components dictated by product
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- Then port to Zephyr
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  - Abstract architecture
  - Modular board support
- From prototype to CE in twelve, later nine months

blik

blik

- Zephyr on the sensor unit from day one
- From prototype to CE in six months

Lessons Learnt

- Four years shipping industry grade products with small teams in startups
- First job bare metal
  - Did not scale
  - Reinventing the wheel

Lessons Learnt
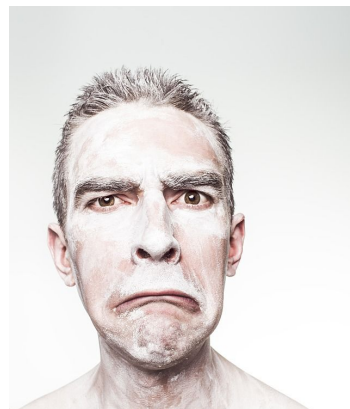
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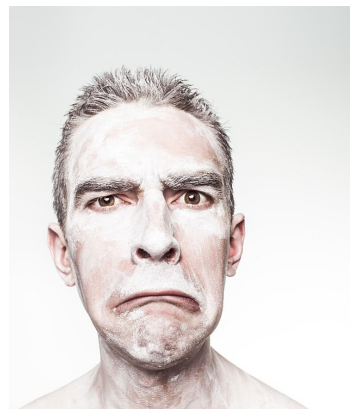 - Did not upstream enough custom code

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  - Still not upstreaming enough
  - Using off the shelf components where possible
  - Sticking them together with Zephyr

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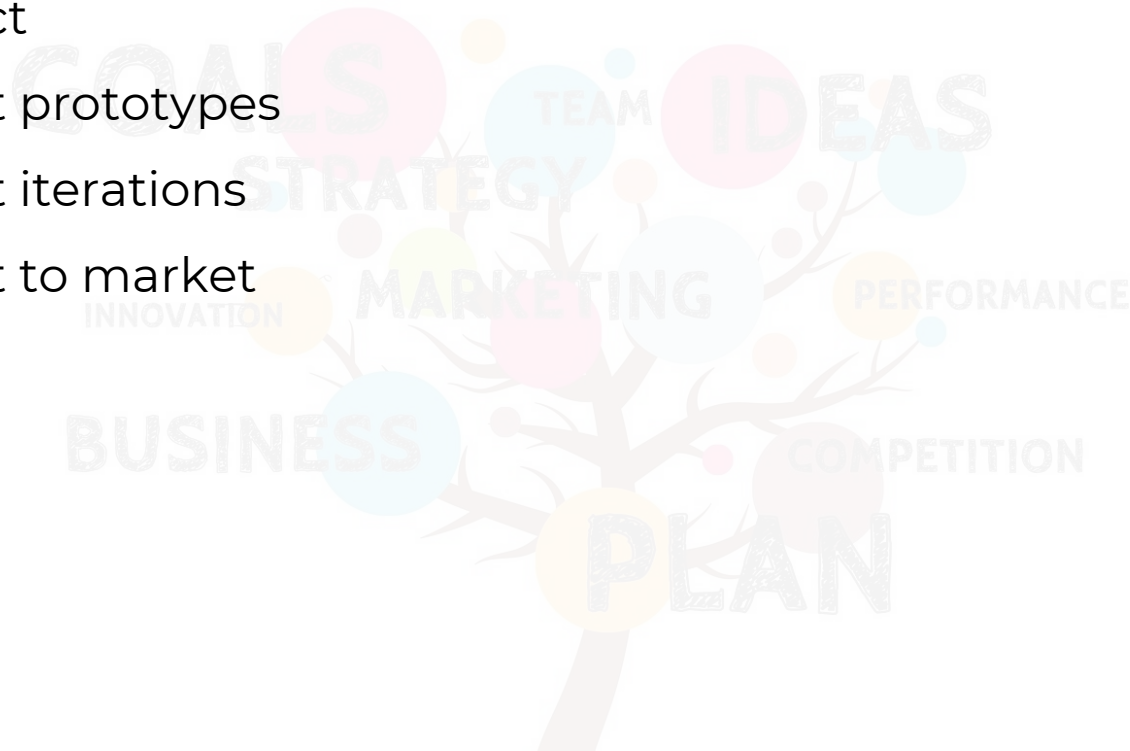   - Sticking them together with Zephyr

Requirements

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- Fast prototypes

- Fast iterations

- Fast to market

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- Solid build system
- Solid architecture
- Solid interfaces
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Development

- Solid build system
- Solid architecture
- Solid interfaces
- Solid ecosystem
- Community
- Standards

The RTOS choice

- Hardware Support

- Toolchain

- Testing

- APIs / Interfaces

- Drivers

- Application libraries

- License

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- Toolchain
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- Zephyr
- mbedOS
- Contiki
- FreeRTOS
- (RiOT)

Looking back

- Zephyr meets all requirements

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- It helped me ship products fast

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THE LINUX FOUNDATION

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Zephyr™ Project

Thank you!
Questions?

Join the monthly Munich Embedded Meetup:
https://groups.io/g/embeddedmeetup

franco.saworski@blik.io

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THE **LINUX** FOUNDATION