Open Source Model

NGI Forum 2021

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3MDEB

- **Talk to us about your company. When did you start? Where? How fast has it grown?**
  - 3mdeb was started in 2015 in Gdańsk, Poland as self-founded bootstrapped business in firmware market.
  - We are now ~30 people, but experience our ups and downs especially due to COVID-19 wealth transition.
  - Growth is stable, but we struggle with finding dedicated people, who believe in our goals, while competing with major corporations.
- **Are there other European SMEs that work in this field? What about major companies?**
  - There are 3 European companies dedicated to Open Source Firmware development. Others are in Germany and Holland.
  - Major companies are world-wide corporations typically with headquarters in US, India, Taiwan and China and 2x amount of employees.
  - Well-established relation between firmware companies and SV give benefits and market advantage that smaller players cannot afford.

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- **Can you describe to the participants here what is the landscape in which you operate?**
  - Complex hardware components are generic and have to be initialized before it can be used by applications
  - Firmware is special type of software that initialize our hardware components
  - Firmware is one of fundamental blocks of platform security, where platform means whole device hardware and software
  - Most firmware on our devices is not open and we cannot audit it to understand if our hardware was configured according to our needs
  - There is evolving Open Source Firmware ecosystem, which brings open source benefits to hardware initialization
  - What OSF frameworks are most popular: coreboot, edk2, LinuxBoot, U-Boot, oreboot, hostboot
  - We also use TCG standards and leverage TPM for security features as well as TEEs

Q&A

class: center, middle, outro