SiLA Rapid Integration®

Introducing **SiLA 2**

Who is he?

Oskari Vinko

Who is SiLA?

- Non-profit organisation founded in 2008
- Global footprint with 35 member companies
- 1600 + individual members

SiLA Mission

- Create international, open connectivity standard in lab automation

- Improve data integrity in labs

- Accessible, straightforward, stable, cost effective, usable and extensible

You spoke

- We restricted you to predefined device types

- Connecting a new device wasn't easy

- SiLA 1 was based on XML/SOAP

- Standardisation process was slow

- It was hard to get started!

We listened

SiLA 2

SiLA 2 Device

Provides features

S2 Device

Plate reading

Plate shaking

Temperature control

SiLA 2 Device

Wireless or wired

SiLA 2 Device

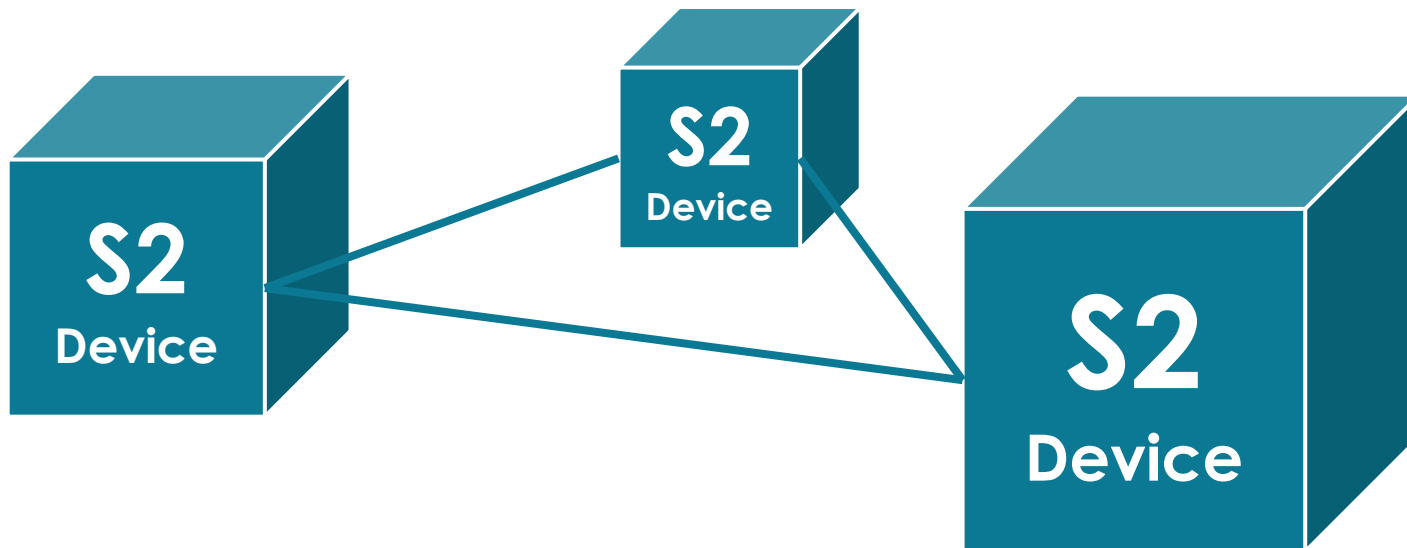## Discover automagically!

SiLA 2 Device

Discover automagically!

Plate reading
Plate shaking
Temperature control

SiLA 2 Device

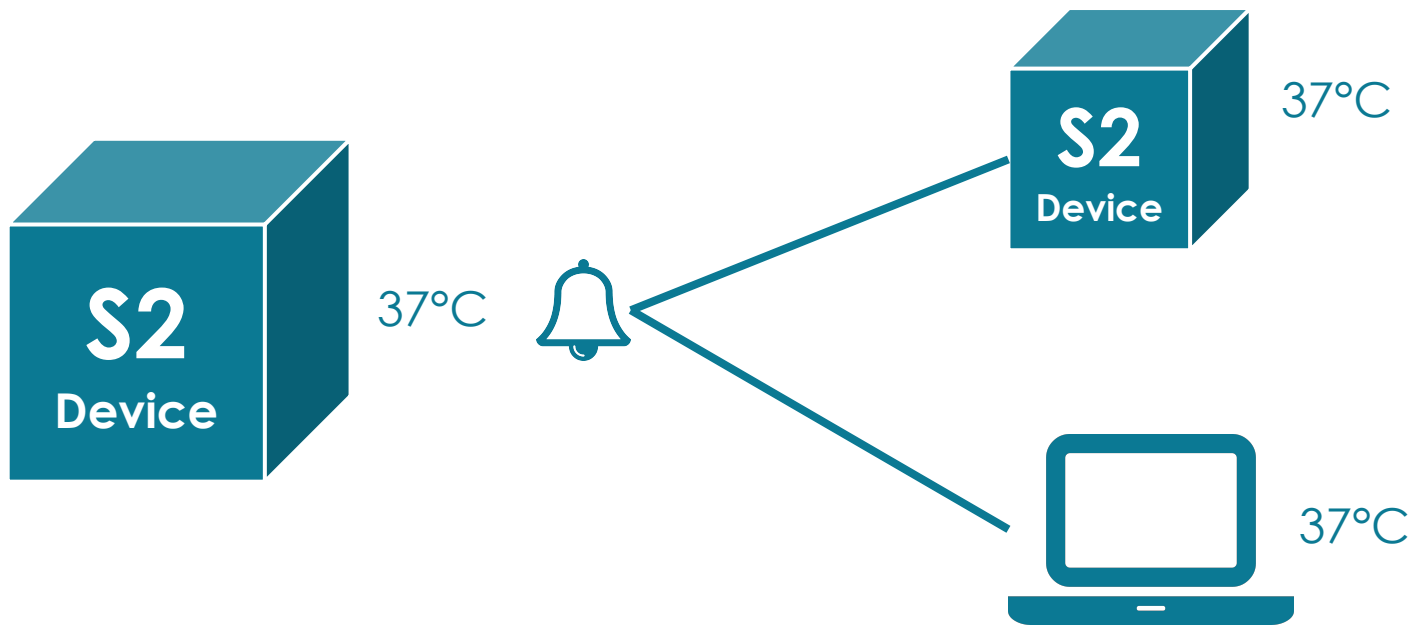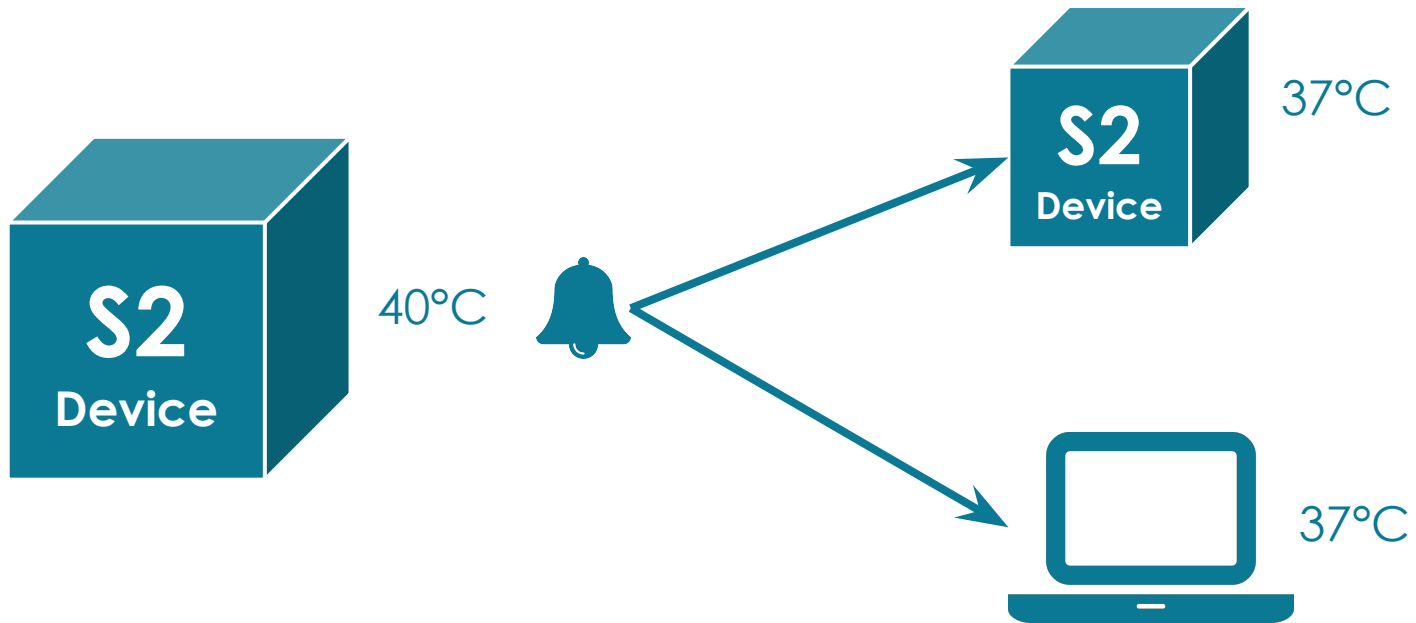Peer to peer

SiLA 2 Device

Subscribe to properties
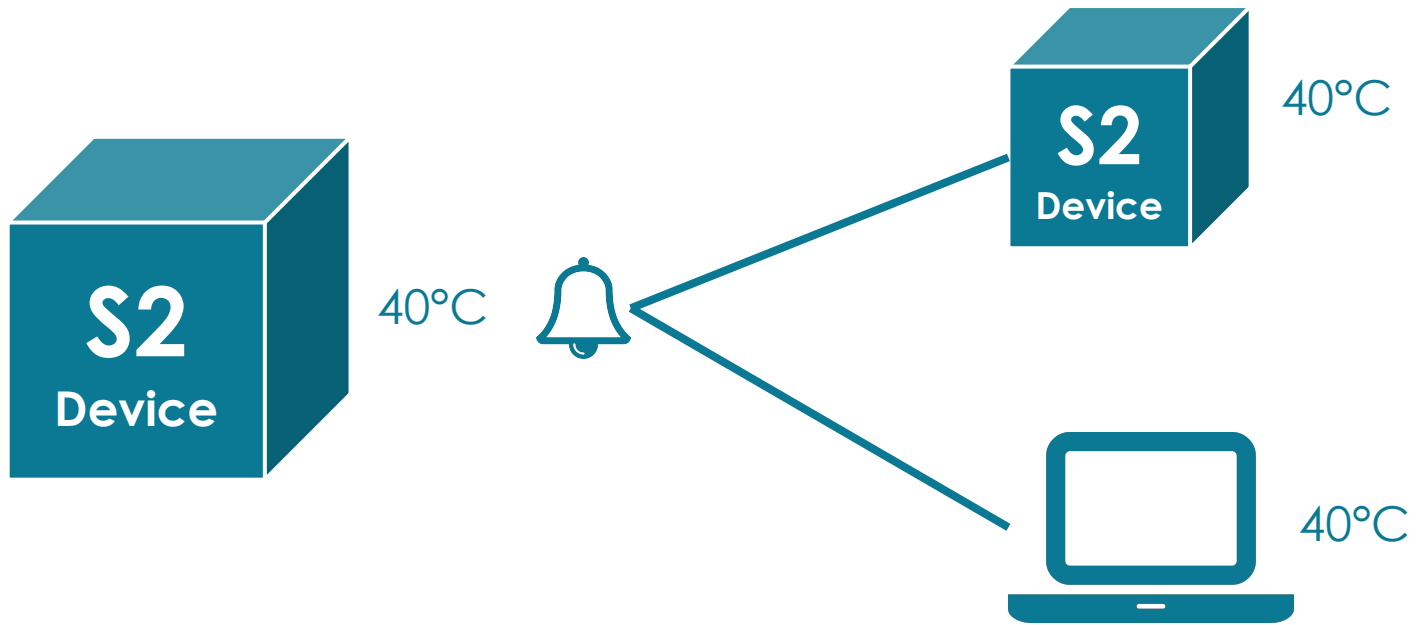
SiLA 2 Device

Subscribe to properties

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Subscribe to properties

SiLA 2

Out late 2018

Release candidate accessible to members in spring 2018

Vendor is the designer

- Use approved features or design your own

- Connect other devices for synergistic features

  - Barcode reader + LIMS + Liquid handler

- Benefit from cross-platform and cross-language libraries to make driver development a breeze!

  - The libraries will be open source

  - Come to our booth, we'll show you personally how!

- Increase customer value via better usability and compatibility

User has the power

- *Ad hoc* automation: in the near future, anyone can configure simple automation themselves

- Break free from closed vendor ecosystems

  - Re-use the SiLA 2 devices in new automation projects

- Quicker and cheaper integration

  - Get your lab connected to your IT systems

- Benefit from open source SiLA 2 driver repository

  - Share the drivers you paid for

  - Download SiLA 2 drivers for free

  - Buy converters from member companies
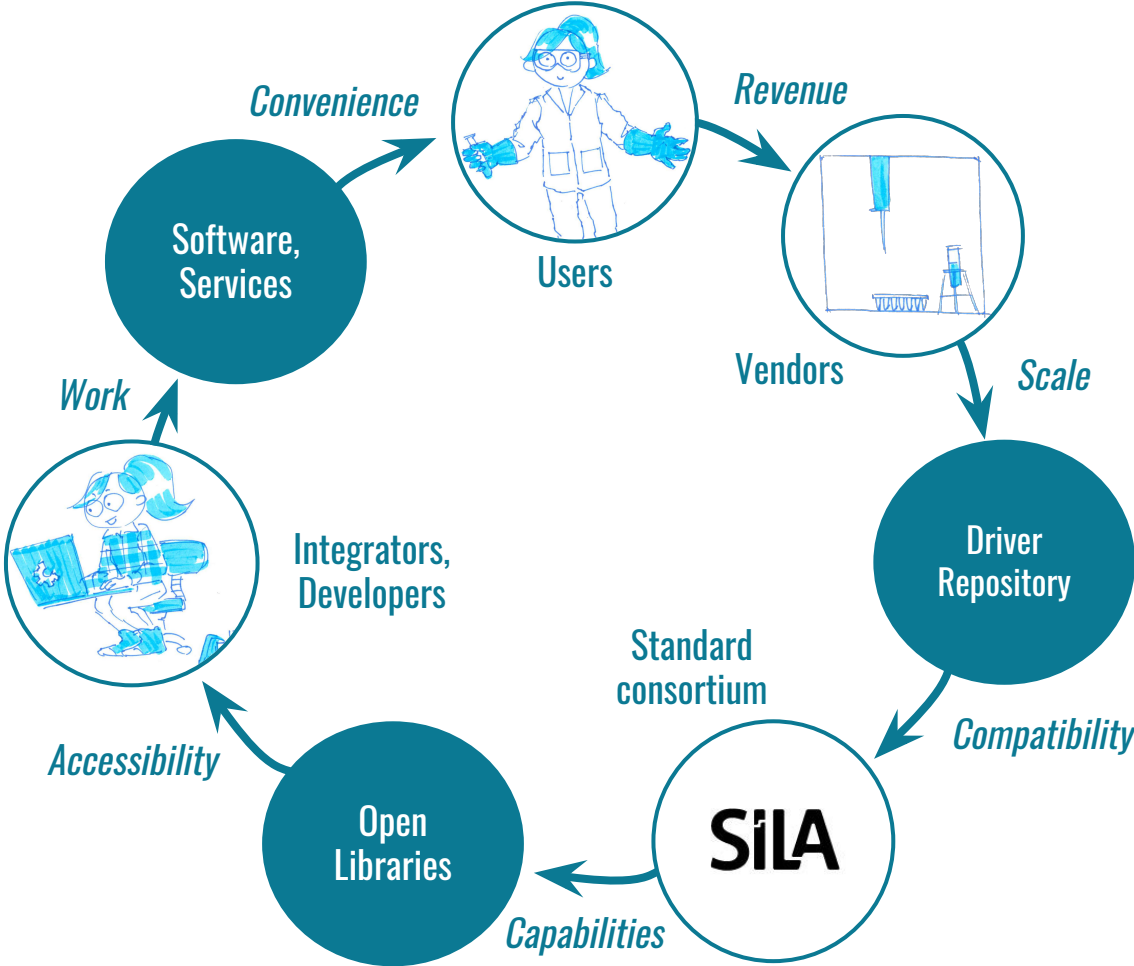
- Try it out at our booth!

New integration opportunities

- Use a standardized device network designed with/having? easy integration in mind

  - Save effort on device drivers, feature design, device interaction, real-time communication, discovery etc.

- Design device agnostic software

  - User empowering solutions that let them decide

  - Test the SiLA Browser in action and get inspired!

- Bring convenience to the user

Ecosystem for everyone!

- Several applications can use the SiLA peer to peer network simultaneously

- Exciting opportunity for startups:

  - Access ready SiLA ecosystem and infrastructure

- No license fees, no royalties, no membership

  - It's simply free!

- SiLA certification is optional, proof of quality

SiLA

Ecosystem for everyone!

SiLA 2 Browser demo

- Here we will add:

  - A demo video or screenshots of the open source SiLA
    Browser (developed by UniteLabs)

    - Same demo is available at SiLA booth

  - See SiLA 2 capabilities in action (discovery, device
    agnostic commanding etc.)

How to get started?

- Join SiLA now, or wait until end of 2018

  - XX % discount during SLAS

- Participate in training programs provided by SiLA

- Wait for our high quality web resources

  - SiLA 2 specification sheet

  - Getting started guide

  - SiLA browser and other software components

  - Open source libraries with crystal clear tutorials

How to join?

- Individuals: register free on our website

- Organisations: fill out the membership form at

  - http://www.sila-standard.com/join-us/

  - Membership fee starts from 3500 EUR / year

- Benefits:

  - Network with end users, vendors, integrators and consultants

  - Get support and access expertise

  - Visibility and collaboration opportunities

  - Get an early access to SiLA 2!

How to contribute?

- For SiLA members:

  - Participate to the SiLA 2 work group

    - daniel.juchli@sila-standard.org

    - Specification, documentation, reference implementation

  - Team up with other members to upgrade your lab/product to SiLA 2

- For non-members:

  - Wait for public release

  - Share your SiLA 2 drivers on the open driver repository

  - Contribute to the SiLA 2 libraries on GitHub

SiLA Rapid Integration®

Thank you!

SiLA 2 will be out late 2018,
release candidate in spring 2018

http://www.sila-standard.org/