SiLA Rapid Integration®

Introducing **SiLA 2**

Who is SiLA?

- Non-profit organisation founded in 2008

- Global footprint with 30+ member companies

- 1700+ individual members

SiLA

SiLA Mission

- Create internation, 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 classes

- 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

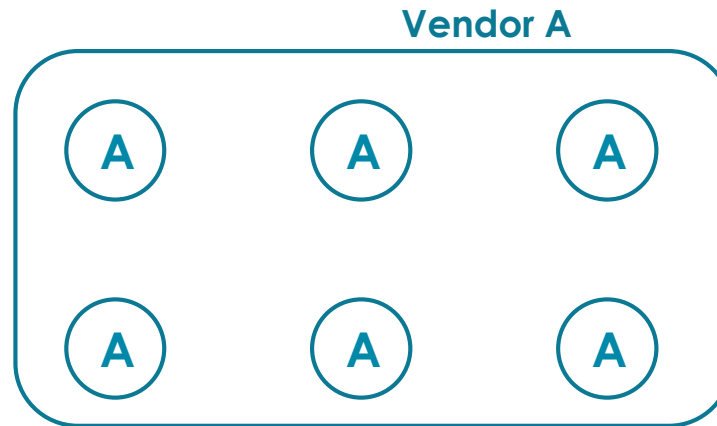# SiLA 2 Feature

Distinct behaviour of a device or service

Provides modularity and consistency

Can be shared across devices

P Plate shaking
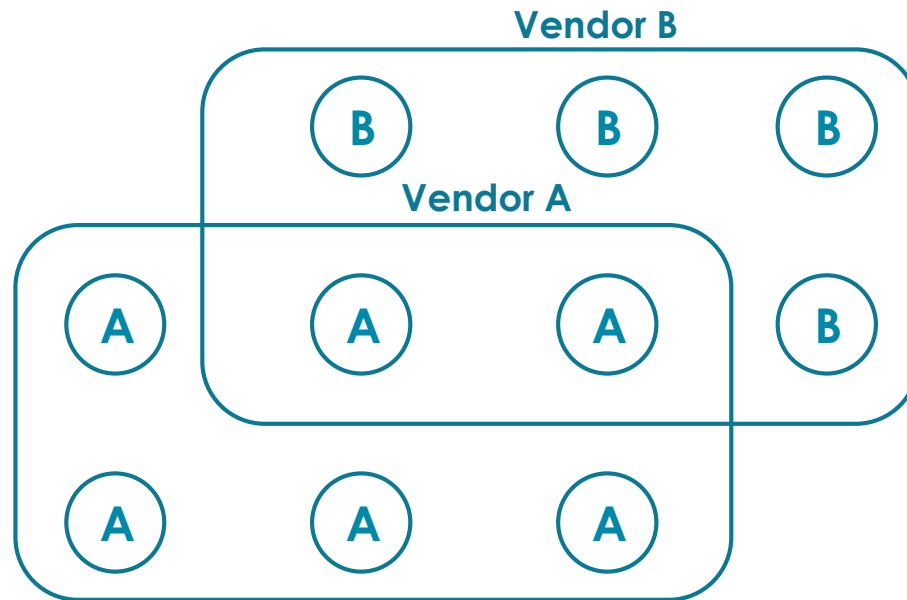
T Temperature control
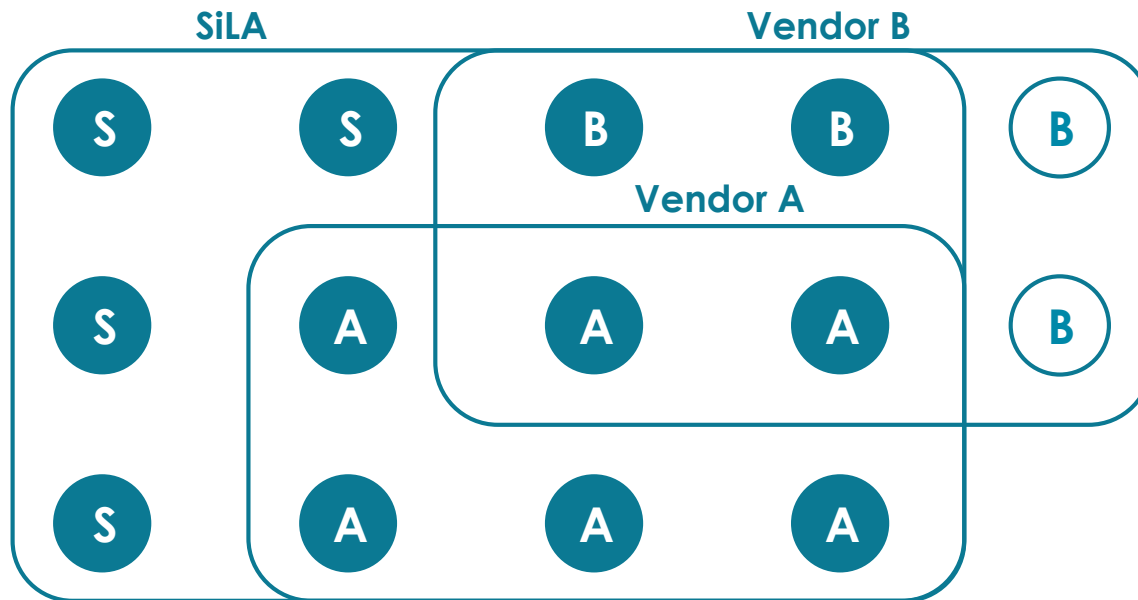
SiLA 2 Feature

Agile framework

Vendor A

SiLA

Rapid Integration

SiLA 2 Feature

Agile framework

SiLA 2 Feature

Agile framework

SiLA 2 Server

Provides features
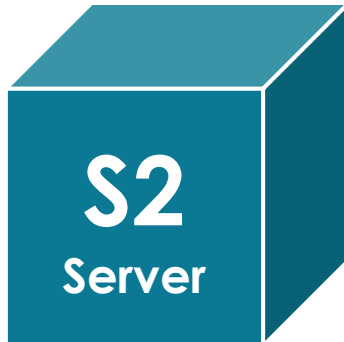
S2 Server

- **P** Plate reading
- **P** Plate shaking
- **T** Temperature control

SiLA 2 Server

Wireless or wired

Rapid Integration
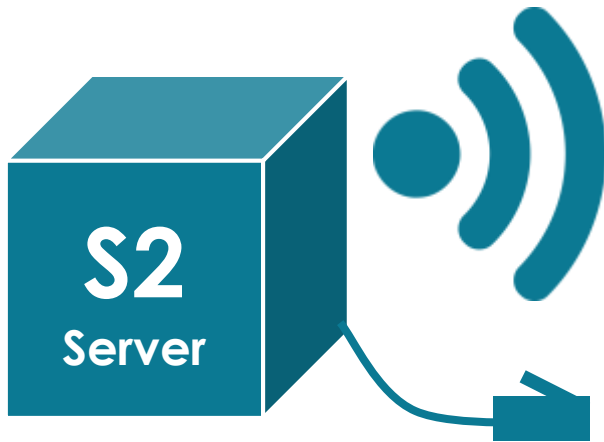
SiLA 2 Server

Discover automagically!

SiLA 2 Server

Discover automagically!
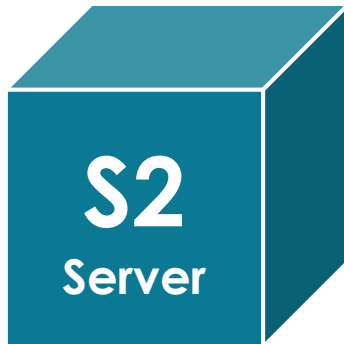
SiLA

Rapid Integration

SiLA 2 Server

Peer to peer

SiLA 2 Server

Subscribe to properties

SiLA 2 Server

Subscribe to properties

SiLA 2 Server

Subscribe to properties
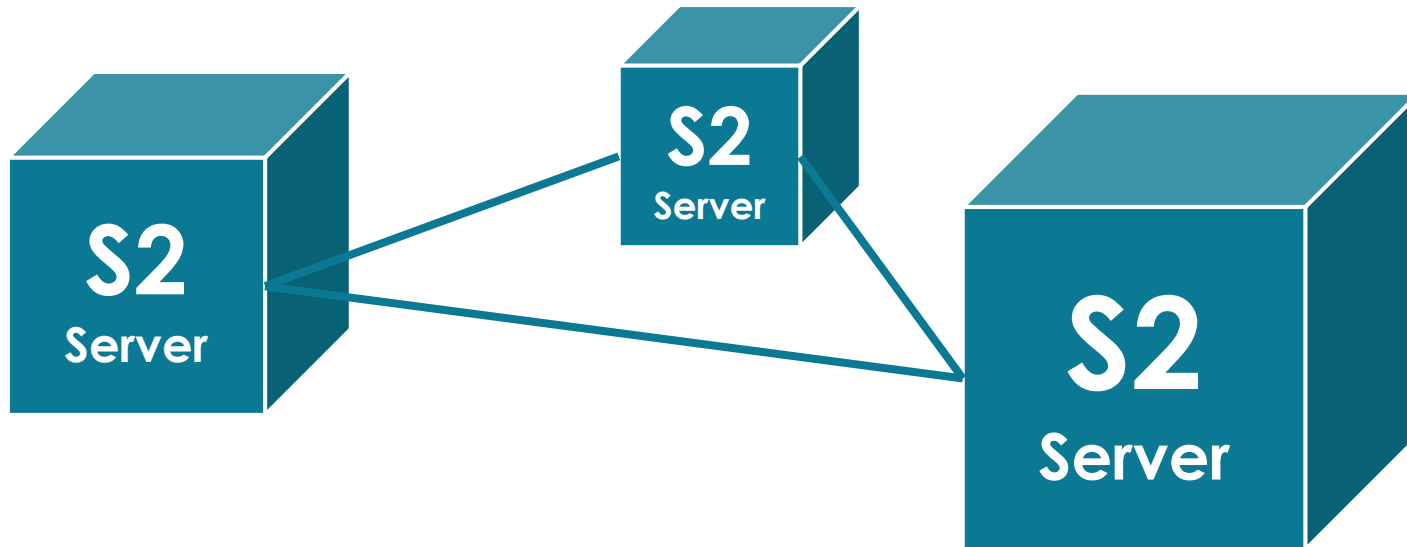
S2 Server — 40°C → S2 Server — 37°C, laptop — 37°C

SiLA 2 Server

Subscribe to properties

Rapid Integration
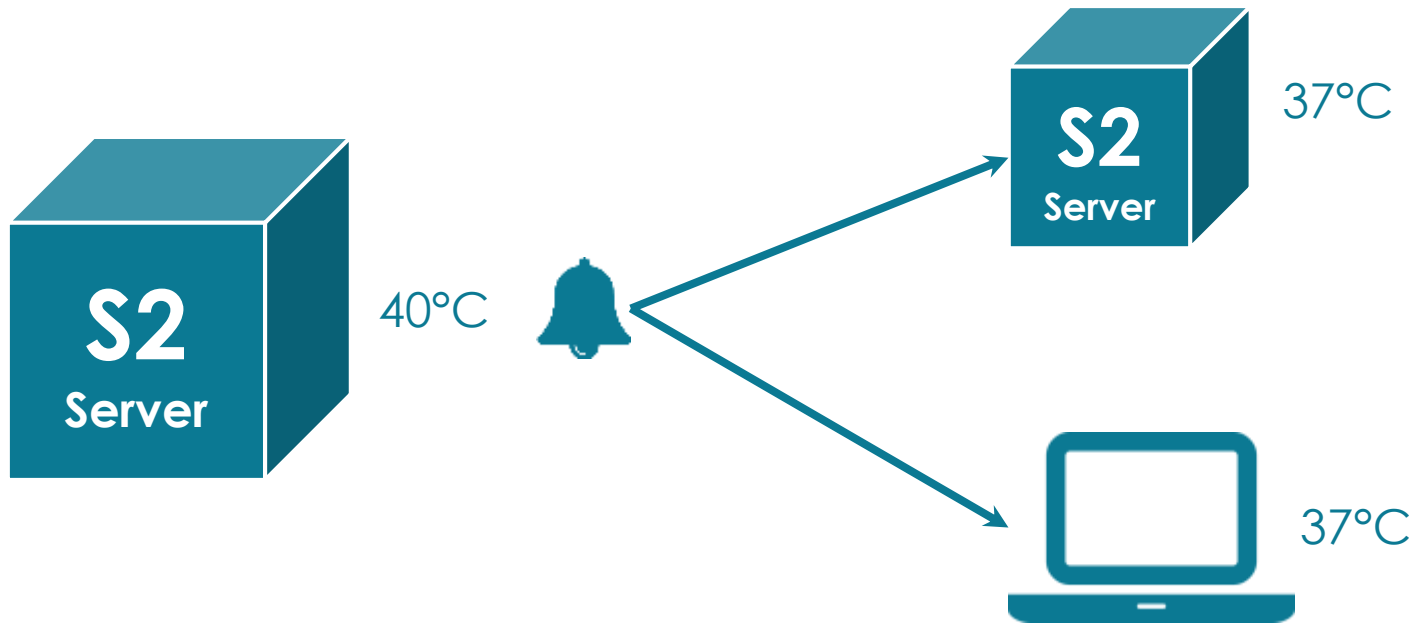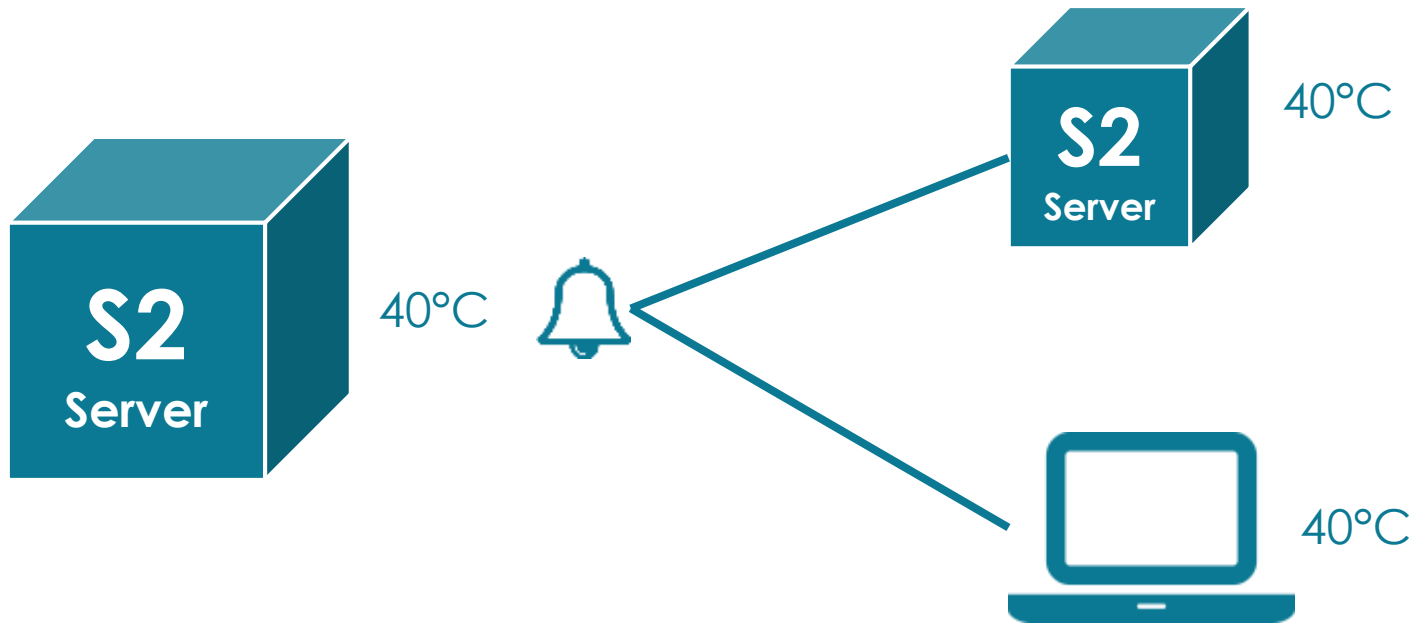
SiLA 2 Server

Speak science

LIMS

Complex data

\<AnIML\>

Analytical Instrument

Future with SiLA 2

Develop applications for ready infrastructure

Combine device capabilities

W Weigh
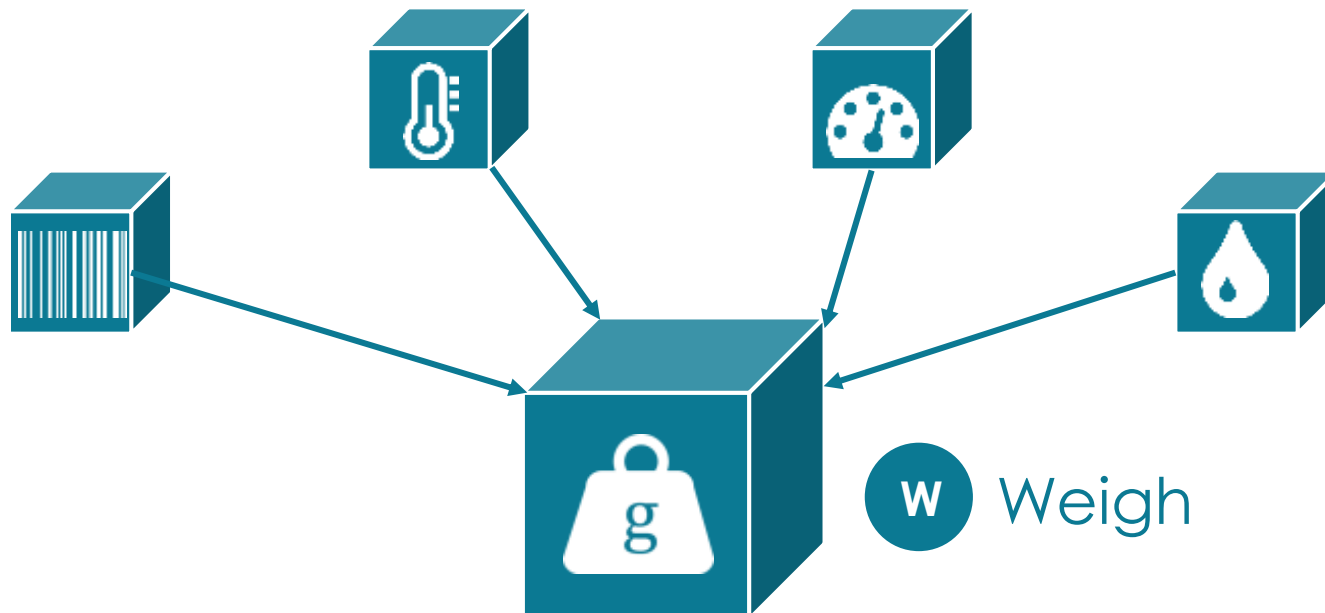
Vendor is the designer

- 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

SiLA

Rapid Integration

User has the power

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

- Break free from closed 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 created

  - Download SiLA 2 drivers for free

  - Buy converters from member companies
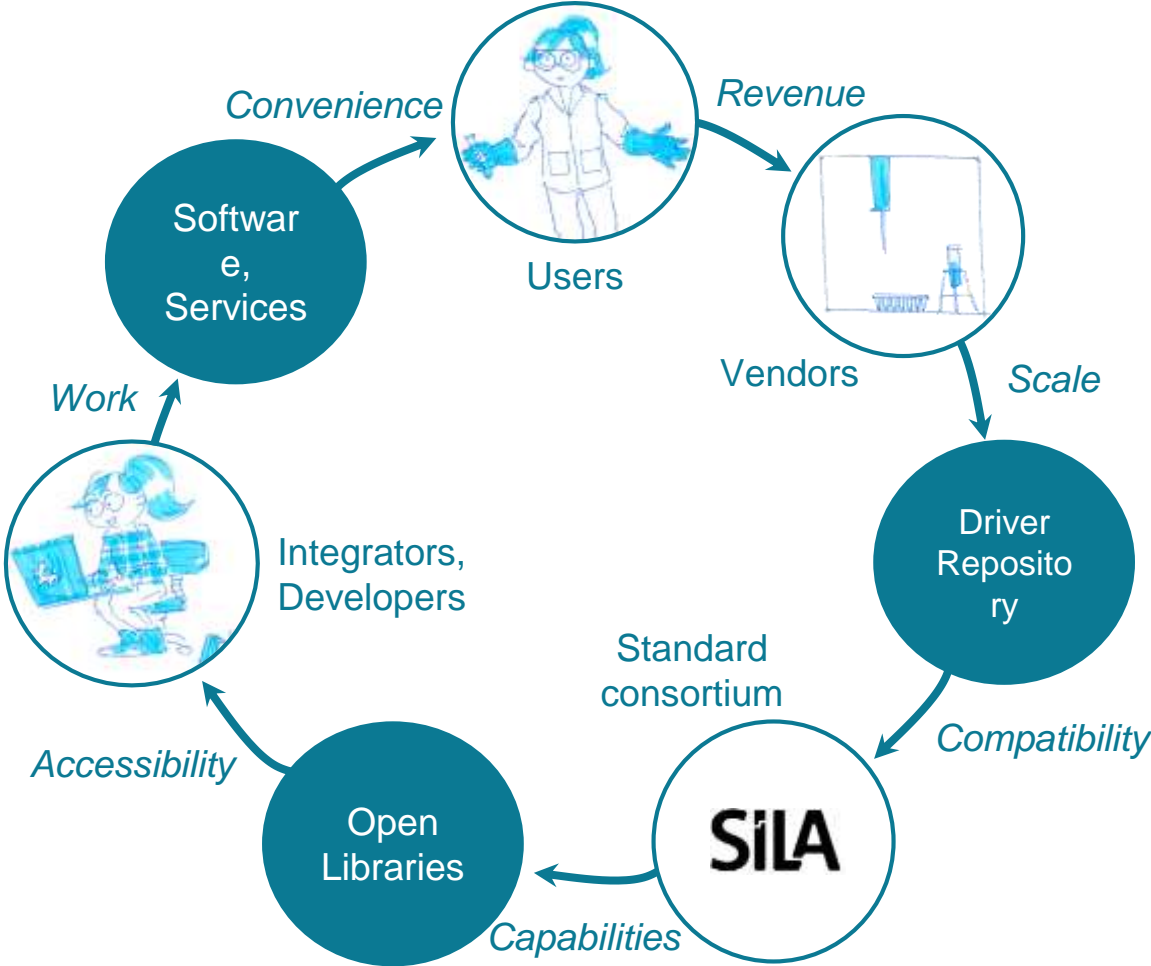
New integration opportunities

- Use a standardized device network designed 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!

- No license fees, no royalties, no obligatory membership

  - It's simply free!

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

- Exciting opportunity for startups:

  - Access ready SiLA ecosystem and infrastructure

- SiLA certification is optional, proof of quality

Ecosystem for everyone!

Convenience

Revenue

Users

Software, Services

Vendors

Scale

Work

Integrators, Developers

Driver Repository

Accessibility

Standard consortium

Compatibility

Open Libraries

SiLA

Capabilities

SiLA

Rapid Integration

How to get started?

- Join SiLA now

- Participate in training programs provided by SiLA

- Look at our high quality web resources

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

    - FREE for contributing academic institutions

SiLA Rapid Integration®

Thank you!

SiLA 2 release candidate in mid 2018

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