

## SSF-Newsletter No 14 – January 2022

Dear members and friends of SSF,

The new year starts like the old one ended: With a full agenda. The many requests for visits are gratifying, as they show that Biel has developed into an important contact point for Industry 4.0. To ensure that our SSF events don't come up short between all the visits and that you don't miss any networking meetings or breakfast pitches, we have already set the most important SSF dates for 2022 and compiled them clearly at the end of the newsletter.

The board of the Swiss Smart Factory support association was recently re-elected, with the old board being the new one. On behalf of my fellow board members Lukas Rohr (BFH) and René Feldmann (HFTM), I would like to thank you for the trust you have placed in us. Together we look forward to three more successful years for the SSF network.

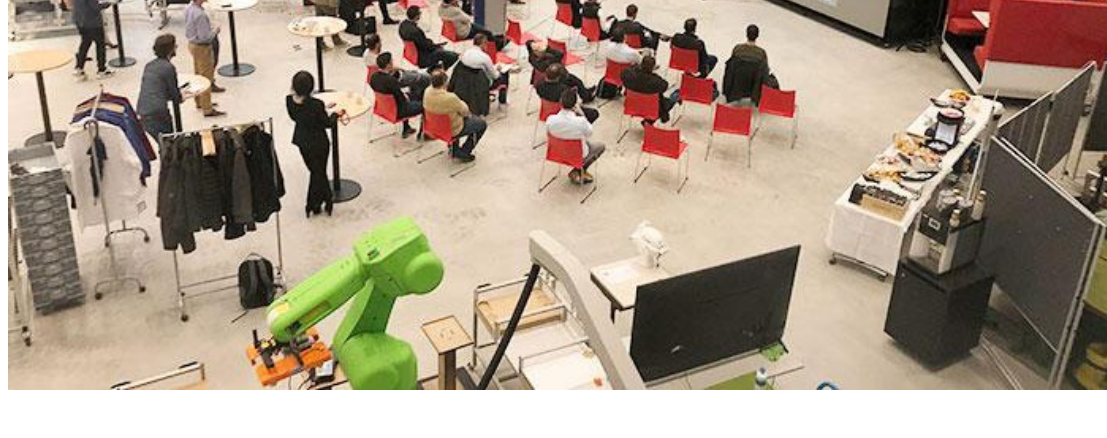
And personally, I wish you a lot of 2G: Happiness & Health for the new year.

Best wishes,

Dominic Gorecky

## Flashback

### Smart Factory Breakfast Pitch



On 16 November 2021, the Smart Factory Breakfast Pitch took place for the first time at the Swiss Smart Factory. Almost 40 participants from the SSF network took part in the live demos and the three exciting pitches from Schneider Electric, Schunk Intec AG and SMC Schweiz AG.

Intensive discussions took place over coffee and croissants and the new platform was used to demonstrate products such as the bionically inspired gripper technology ADHESO from Schunk AG on site.

We look forward to the next Breakfast Pitch on 22.02.2022



## Membership programme for the Association for the Promotion of the "Swiss Smart Factory" (AP-SSF)

The previous membership programme was converted into an association model. The advantages of the association model are obvious: More transparency and co-determination in SSF activities through the participation of the members in the general assembly and in the board.

The AP-SSF already has over 60 members from industry and research.

We warmly welcome our newest AP-SSF partners:

- [Asyri AG](#)
- [Netrics AG](#)
- [Stäubli Robotics](#)

[Statutes of the association and registration](#)

# PARTNERS

## SSF Members on website

[www.sipbb.ch/forschung/swiss-smart-factory/mitgliedschaft-ssf/](http://www.sipbb.ch/forschung/swiss-smart-factory/mitgliedschaft-ssf/)



## What SSF membership means to us – the voice of an SSF member



### VU Engineering

Lucas Vandroux, CEO

[www.vu.engineering](http://www.vu.engineering)

VU Engineering equips clients with an integrated autonomous visual inspection solution that learns from human operators how to detect defects and adapt to changes to automatize complex visual inspection processes.

Many industries have yet to automate their complex visual inspection processes. For example, final checks on manufactured parts are still done by a factory worker; freight train inspections are done in-person by trained operators in the depot. Each instance requires human resources that are fallible. Automating this process presents a more reliable, safe, and cost-effective solution.

We first integrate our solution with the operators' work to collect precise data of the task being considered. Our system then gradually extends to supporting them in their work before assuming the most repetitive, and critical tasks.

**«It is a great opportunity to join the Swiss Smart Factory's Network and to be officially part of this ecosystem. We are looking forward to taking part in their lighthouse project to show the potential of deep learning and computer vision when used to support and automate the work of human operators on complex visual inspection processes.»**

We are also very excited to connect with the other members of the network and demonstrate the capabilities of our solutions in different industries.

Case study: [custom drone production](#)



## Project and partner news

### Phoenix Mecano Workplace



The manual workstation of the Phoenix-Mecano company was one of the first "production demonstrators" of the lighthouse project Industry 4.0 of the Swiss Smart Factory. The workplace is equipped with the Setago Pick-to-Light system. Four rows of lights are placed above the pick-up bins. The lights are controlled via an intuitive software platform that also allows for easy configuration. When an assembly process is started, the assembly workers are guided through the production process by means of interactive instructions. The software is explained by the processes with images, videos and light signals. A reach into a container is detected by the sensor and so, for example, the next steps are automatically called up in the assembly instructions

### Augmented Reality Glasses from Almer Technologies



For efficient remote support, Almer is developing a small and lightweight augmented reality goggle. These contain all the necessary features that are of great benefit to the industry. If a service technician wears the Almer glasses on the plant, an expert can support him efficiently from the office. With the camera in the AR glasses, the expert sees the plant and can display important information to the service technician directly on the AR glasses.

Thanks to a funded Innosuisse project, Almer can develop the AR glasses together with SSF and other research partners. The early feedback from some SSF industry partners has also been very helpful, thank you for that!

If you have an idea for your own Innosuisse project or would like to learn more about the Almer glasses, please contact Stefan Pauli ( [stefan.pauli@sipbb.ch](mailto:stefan.pauli@sipbb.ch) ). For more information about the AR glasses please visit [www.almer-technologies.com](http://www.almer-technologies.com)

## Events & Outlook

Smart Factory Beakfast Pitch	22.02.2022 05.07.2022 29.11.2022
General Assembly AP-SSF and SSF networking meeting	02.05.2022
SSF networking meeting	02.05.2022 17.10.2022
3st International Smart Factory Summit	22. – 24. 6.2022

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