

SSF-Newsletter Nr. 13 – October 2021

Dear members and friends of SSF,

Recently we were not only able to celebrate the official opening of the new SIPBB building but were also able to hold our first SSF network meeting on the premises. Anyone who missed the two events can find out about them in our short flashback or, better still, look in on us directly.

A fitting opportunity for this will be on 16 November 2021. This date will mark the start of our new "Smart Factory Breakfast Pitch" event format, where our partners will present their latest innovations over coffee and pastries. Our partners Schunk, Schneider Electric and SMC Schweiz will take to the stage in November. Spaces are limited, so please register early.

Other than that, we are supporting our partners with the development of new product and service innovations to the best of our abilities. This year we have started a total of six new Innosuisse projects. Project partners include MyLiveZone, Cencerus, mcs software, Schalltag, Bossard and Hilscher. Something that we think is really great is that Hilscher has even set up a small info portal on the subject of "Innosuisse":

[Hilscher_InnoSuisse-Info](#)

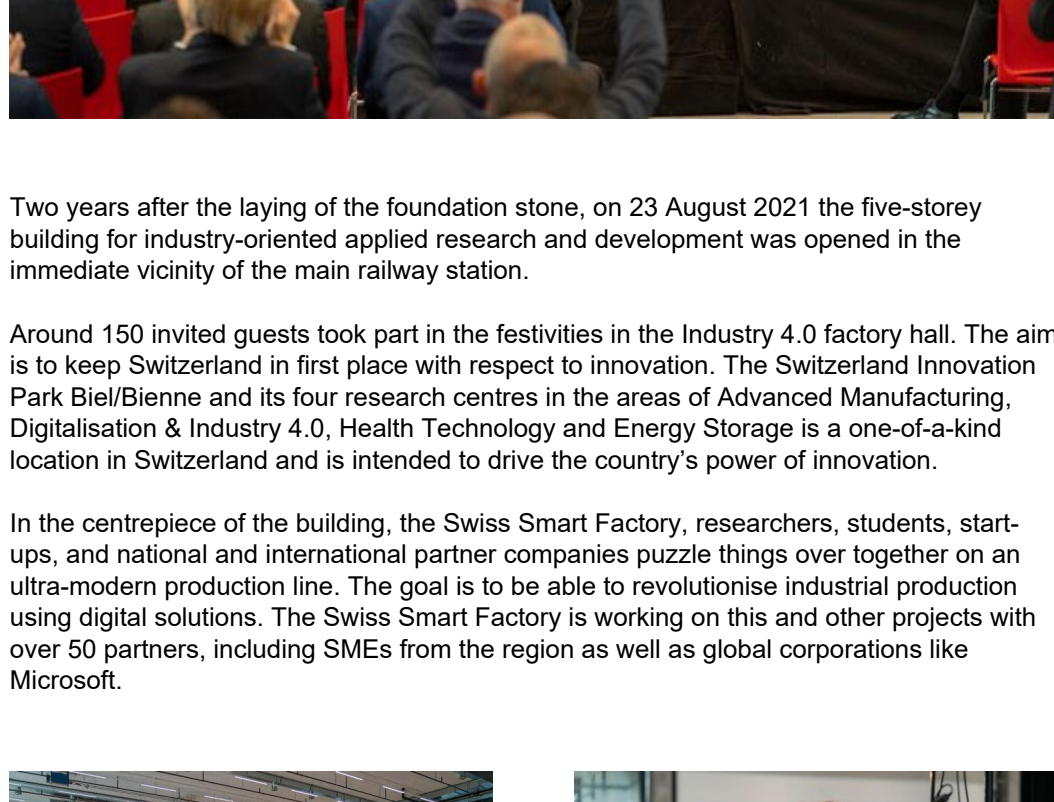
Perhaps you have a project idea ready too...

Best wishes,

Dominic Gorecky

Flashback

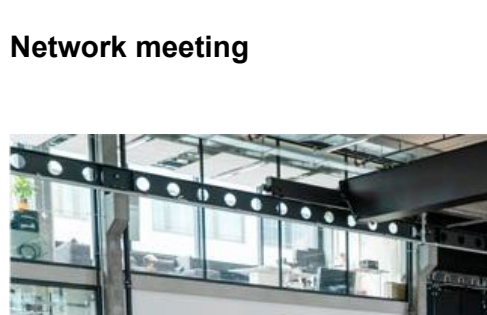
Grand opening



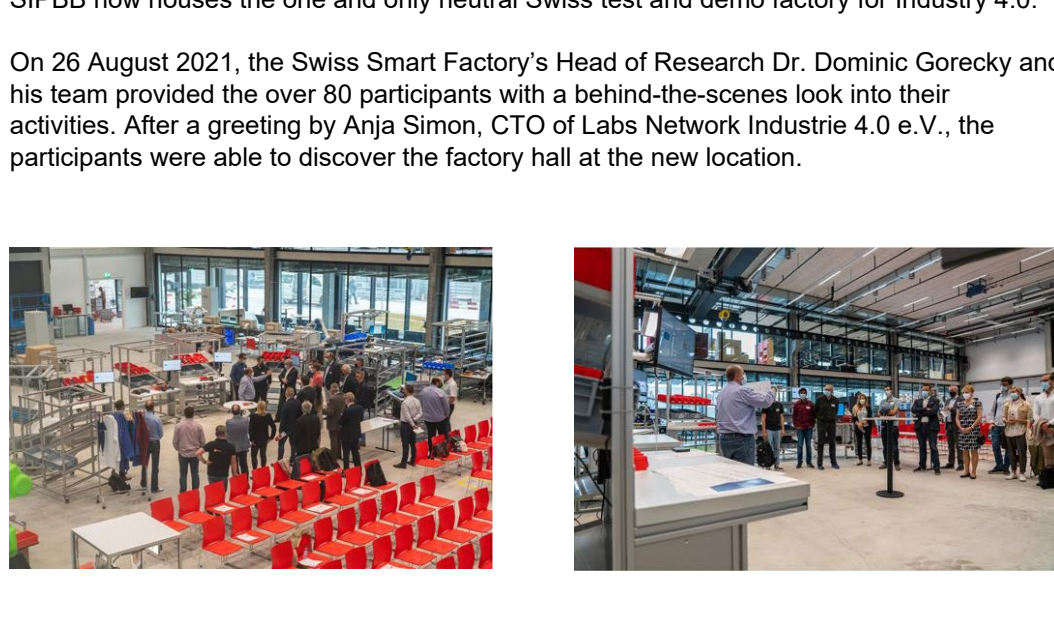
Two years after the laying of the foundation stone, on 23 August 2021 the five-storey building for industry-oriented applied research and development was opened in the immediate vicinity of the main railway station.

Around 150 invited guests took part in the festivities in the Industry 4.0 factory hall. The aim is to keep Switzerland in first place with respect to innovation. The Switzerland Innovation Park Biel/Bienne and its four research centres in the areas of Advanced Manufacturing, Digitalisation & Industry 4.0, Health Technology and Energy Storage is a one-of-a-kind location in Switzerland and is intended to drive the country's power of innovation.

In the centrepiece of the building, the Swiss Smart Factory, researchers, students, start-ups, and national and international partner companies puzzle things over together on an ultra-modern production line. The goal is to be able to revolutionise industrial production using digital solutions. The Swiss Smart Factory is working on this and other projects with over 50 partners, including SMEs from the region as well as global corporations like Microsoft.

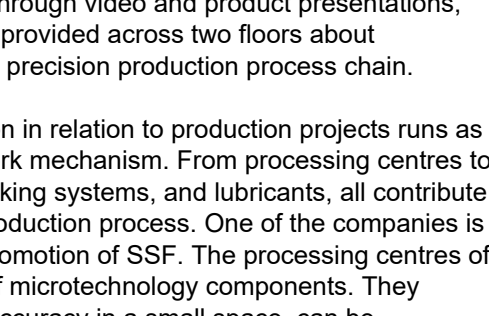
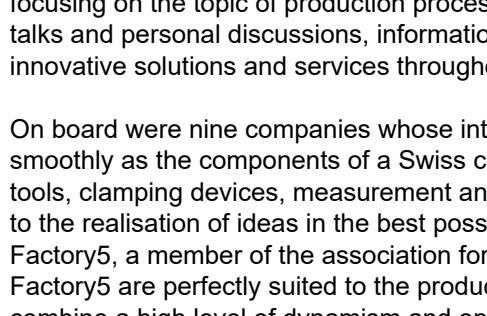


Network meeting

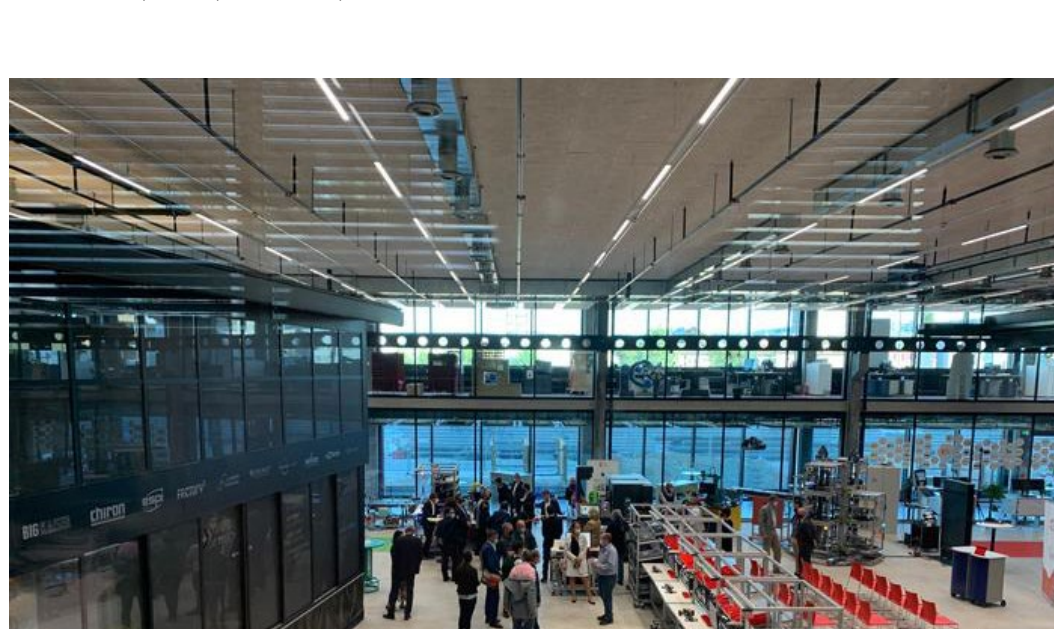


What started with a vision in 2017 has now become reality. The 1000 m² factory hall of the SIPBB now houses the one and only neutral Swiss test and demo factory for Industry 4.0.

On 26 August 2021, the Swiss Smart Factory's Head of Research Dr. Dominic Gorecky and his team provided the over 80 participants with a behind-the-scenes look into their activities. After a greeting by Anja Simon, CTO of Labs Network Industrie 4.0 e.V., the participants were able to discover the factory hall at the new location.



Micro on Tour



From 2 to 3 September 2021, the Micro on Tour show truck visited the SIPBB factory hall, focusing on the topic of production processes. Through video and product presentations, talks and personal discussions, information was provided across two floors about innovative solutions and services throughout the precision production process chain.

On board were nine companies whose interaction in relation to production projects runs as smoothly as the components of a Swiss clockwork mechanism. From processing centres to tools, clamping devices, measurement and checking systems, and lubricants, all contribute to the realisation of ideas in the best possible production process. One of the companies is Factory5, a member of the association for the promotion of SSF. The processing centres of Factory5 are perfectly suited to the production of microtechnology components. They combine a high level of dynamism and optimal accuracy in a small space, can be automated and are capable of integration in the digital Factory5 platform for networked production.

The other companies are: BIG KAISER, CHIRON, LASER CHEVAL, LOUIS BÉLET, MOTOREX, ESPI, MEYRAT, TG Colin and Watch-Web.



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.

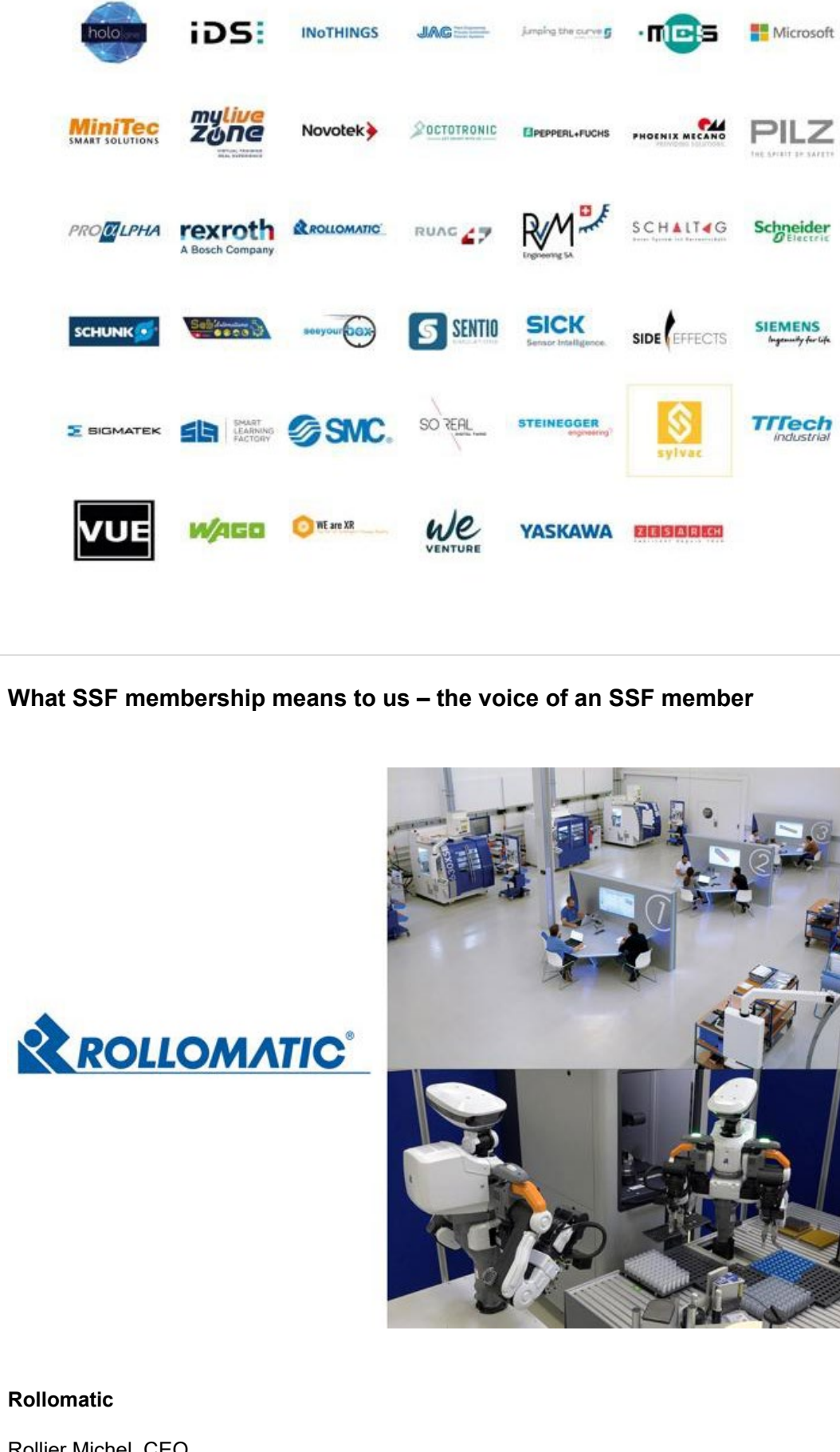
The AP-SSF already has over 60 members from industry and research.

We warmly welcome our newest AP-SSF partners:

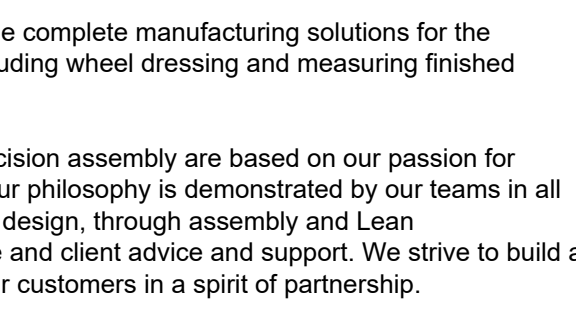
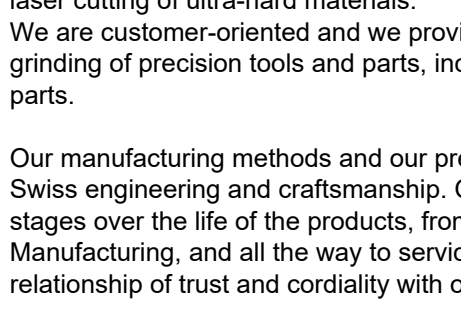
- [Ruag](#)
- [Novote](#)
- [fruitcore robotics GmbH](#)

[Statutes of the association and registration](#)

PARTNERS



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



Rollomatic

Rollier Michel, CEO

www.rollomatic.ch

Rollomatic is a private Swiss company specializing in the design and manufacturing of high precision CNC machines for production grinding of cutting tools, cylindrical grinding, and laser cutting of ultra-hard materials.

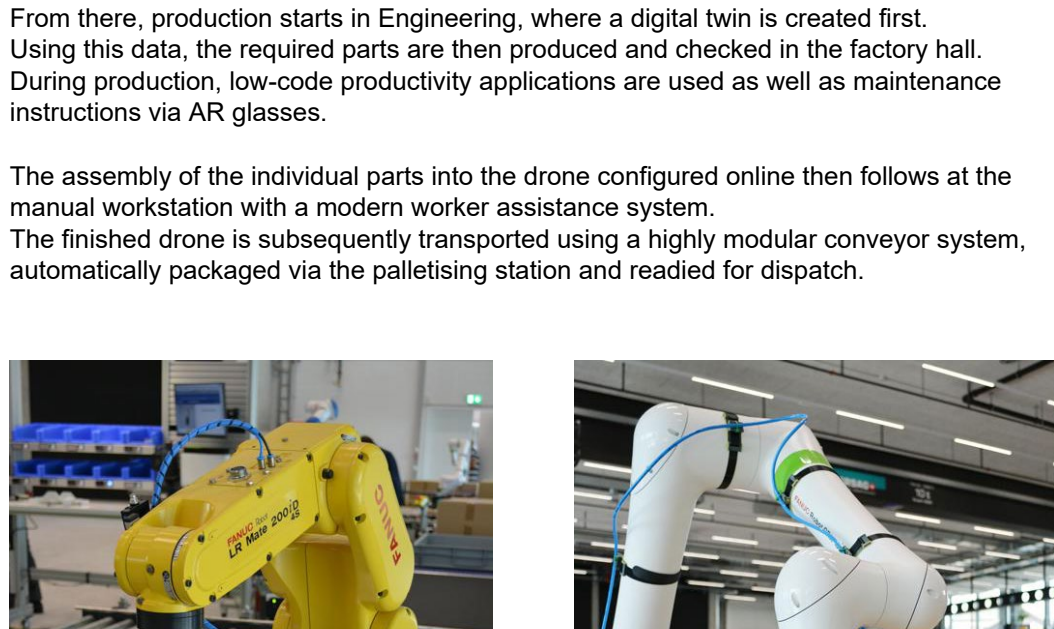
We are customer-oriented and we provide complete manufacturing solutions for the grinding of precision tools and parts, including wheel dressing and measuring finished parts.

Our manufacturing methods and our precision assembly are based on our passion for Swiss engineering and craftsmanship. Our philosophy is demonstrated by our teams in all stages over the life of the products, from design, through assembly and Lean Manufacturing, and all the way to service and client advice and support. We strive to build a relationship of trust and cordiality with our customers in a spirit of partnership.

Rollomatic is a dynamic and innovative company. We want to share our knowledge and solutions with other companies and benefit from the synergy and networking of the AP-SSF. The location of the association as well as the workshop will allow us to build relationships with new companies, to collaborate in concrete industrial projects while maintaining proximity with the academic world. Being apart of this association is one of the reasons we have opened an office at the SIPBB.

Project and partner news

The production line of the flagship project has gone into operation



Since the end of August 2021, we have been able to operate the first demonstrators in the flagship Industry 4.0 project. The different collaborative and networked stations can be observed in the Swiss Smart Factory. The demonstrators are producing a drone.

Using an online configurator, the drone is compiled as desired; the data from the order goes directly to our ERP system.

From there, production starts in Engineering, where a digital twin is created first. Using this data, the required parts are then produced and checked in the factory hall.

During production, low-code productivity applications are used as well as maintenance instructions via AR glasses.

The assembly of the individual parts into the drone configured online then follows at the manual workstation with a modern worker assistance system.

The finished drone is subsequently transported using a highly modular conveyor system, automatically packaged via the palletising station and readied for dispatch.



Events & Outlook

Smart Factory Breakfast Pitch

16.11.2021, 08.15 – 10.00 h

Are you also interested in topics such as additive manufacturing technology, battery technology or medical and health technology?

www.sipbb.ch

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