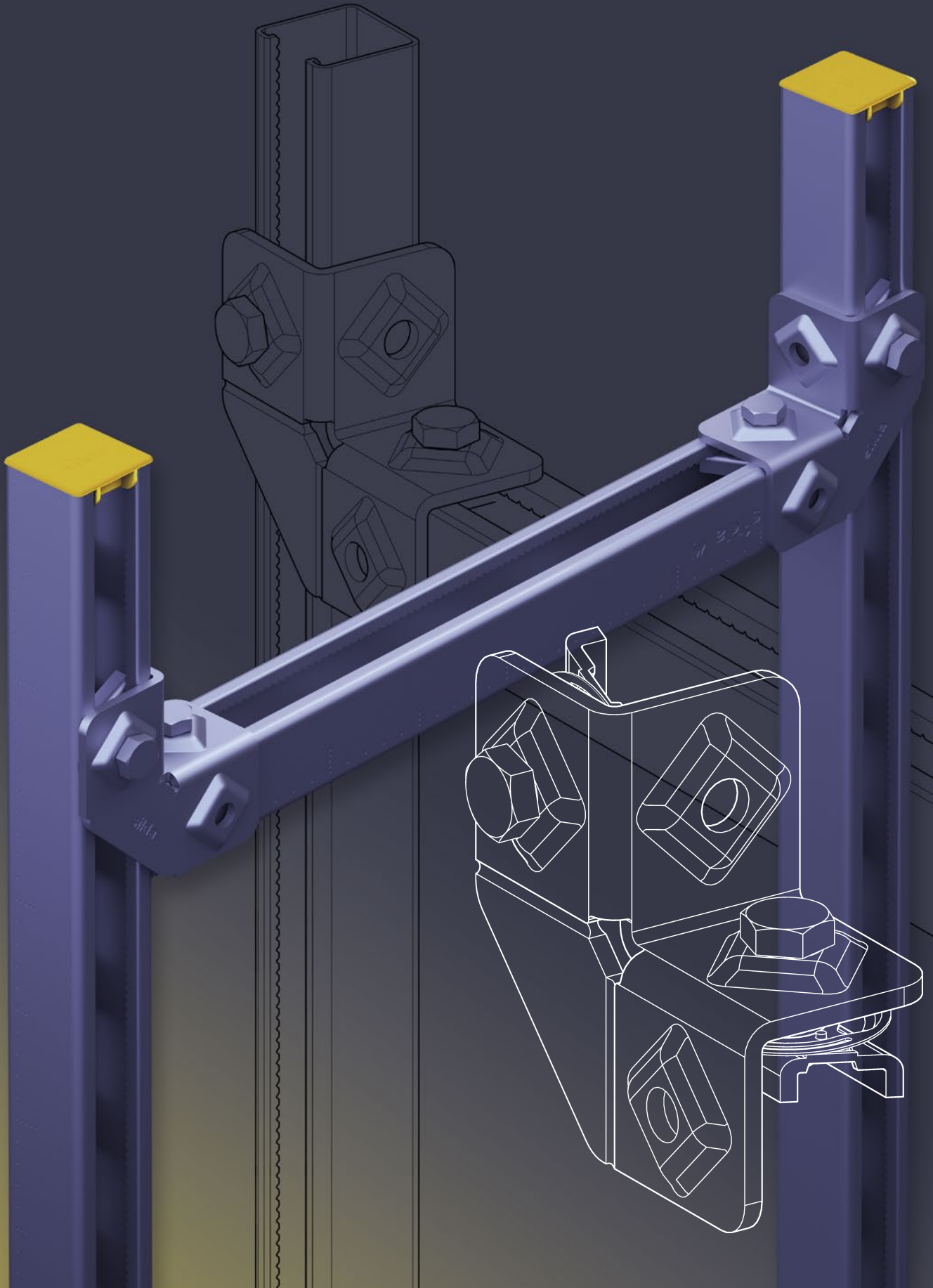


sikla

THE MAGAZINE

ISSUE 2019/20



Another move forwards in the generation changeover

Patricia Klauß joined the Sikla Group in July 2019. Patricia brings her experience to bear by supporting the group in the field of international logistics. After completing her master's degree, which focussed on internal and external transport and production logistics, she worked for the BMW AG in Munich. Here she managed the supply of missing parts, worldwide, and was the project manager responsible for setting up supply channels for the new BMW plant in Mexico.

Dieter Klauß is delighted that a further step has been taken towards securing the future of the family-owned company as his second daughter joins the team.



Patricia Klauß and Dieter Klauß

New company in the Netherlands

The most recent member of the Sikla organisation, Sikla BV, was founded on 7 November, 2018. The company is based in Sprang-Capelle, a small town near Waalwijk, the number one logistics hotspot, which is centrally located within the Benelux countries. Managing Director Dennis Verhoeven is no stranger to the industry. As Account Manager at Upat Bevestigingstechniek BV, he introduced Sikla products to the Dutch market back in 1996. He is supported by Leo Laumen, who



Left: Managing Director Sales, Leo Laumen, right: Director, Dennis Verhoeven

also has many years of experience in the industry.

In addition to the Dutch market, Sikla BV also serves the Belgian market.

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 Telephone + 31-85-10 50 554
www.sikla.nl

Sikla Hungária celebrates its 25th anniversary

Founded in 1994 with two members of staff, Sikla Hungária Kft. now serves the entire Hungarian market. The customer base, which was predominantly made up of major customers in the beginning, has been successfully developed and expanded over the years. Today, the company headquarters is a modern warehouse and office building in Budapest.

Director Walter John and his team look back over a successful history.



25 év **sikla**
 Hungária

Dear Readers,

Especially in the age of digitisation, in which human interactions are increasingly taken over by technology, personal relationships take on a very special meaning. It is always the connections with people that make fair and respectful cooperation possible on an equal footing. For this reason, we at Sikla attach great importance to providing you with the best possible personal service through our competent sales representatives and technical consultants. Working together, we will find the perfect support system solution, to meet any challenge.

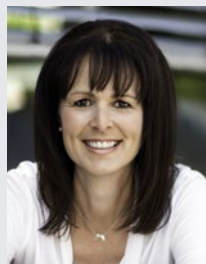
Optimisation of the international provision and availability of goods will also be an important success factor for us in the future. Read my interview with Uwe Gärtner to find out what steps have already been taken for Eastern Europe. Additional active support in this area is now also ensured since Patricia Klauß joined the company.

I am delighted that this year's siFramo ambassador is from Austria. The entire Sikla Team offers its congratulations on the presentation of the HSE Award 2019.

Perhaps I will be able to introduce you as the siFramo ambassador in our next issue? Please contact your customer adviser for further information.

Kind regards

Manuela Maurer
Marketing Communications Manager



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We are here to help you. Contact us now!

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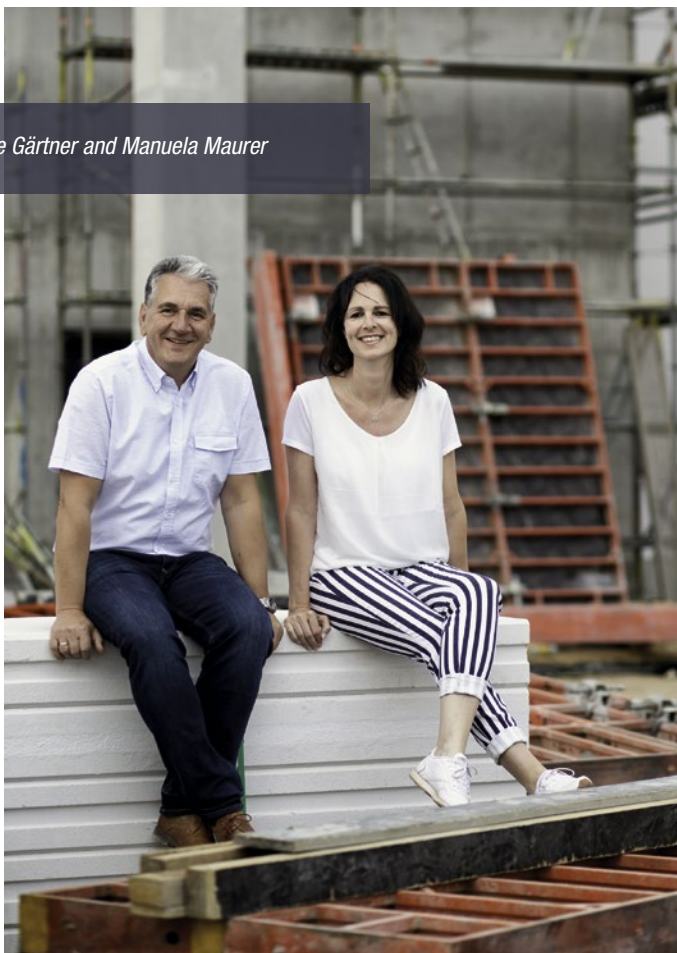
Sikla Polska gets in shape for the future

Sikla rises to the challenge of supplying the international markets quickly and with the shortest possible transport routes.

This will involve the Polish operation taking on more supply responsibilities for the East European markets.



Uwe Gärtner and Manuela Maurer



**Interview with Uwe Gärtner,
Director of Sikla Polska Sp. z o.o.**

Uwe, 12 years ago the premises in Jelenia Góra were established as one of Sikla's most modern sites. Now the storage area is to be tripled and the administration building is to be extended. Could you have imagined this 12 years ago?

U. Gärtner: No, not at all. Back then, we did not think we would be picking up our tools again so quickly. But then things turn out differently than you think. On 20 March this year, another ground-breaking ceremony marked the start of the extension works.

What is the reason for this large-scale extension?

U. Gärtner: Sikla is a dynamic family business and if market requirements change, we change with them. Our aim is to guarantee rapid availability of Sikla products and to offer our customers the best possible service. Also, these premises will be used as a central warehouse for Eastern Europe in the future.

A project of this size requires careful planning.

How did you go about this?

U. Gärtner: Yes, indeed. We took a total of three years to plan the project. Customer requirements are becoming more complex and more customer-specific. During the planning phase, we took into account the requirements for a full-range warehouse with high product availability and considered the further development of our customer service.

Will this also create new jobs?

U. Gärtner: Yes, and it will also make us a more attractive employer. And this is particularly important to me, because we have great employees who always give their best and often surpass themselves.

When will the new extension be put into operation?

U. Gärtner: The new warehouse extension will be ready for use by the end of February 2020. When I think back to how construction measures used to be implemented 12 years ago, everything runs much more efficiently today.

Would you say that construction periods are getting shorter and shorter?

U. Gärtner: Generally speaking, yes. And this is no different for our customers either. This is why we asked ourselves how we could help our customers in this respect. And one way to do this is to ensure short delivery times. Most orders reach us between 11 a.m. and 3 p.m. A delivery period of 24 hours leaves only a tight window and is only

possible with state-of-the-art warehouse technology in conjunction with Industry 4.0. Another way to help is to meet our customers' requirements even more precisely through optimised conditions in the prefabrication. Appropriate workplaces and areas have been allocated for this purpose. This saves our customers valuable assembly time on the construction site.

The use of siFramo is a crucial factor when it comes to reducing assembly time. How is the response in the Polish market?

U. Gärtner: We have installed siFramo very successfully in more and more projects in recent years – including our own new building. We are creating more storage capacity for this product range too, so that we will be able to cover the increasing demand.

Here is a personal question to end with. You manage a very successful Sikla company and are coordinating the extension project with great commitment. How is your work-life balance?

U. Gärtner: I am following my vocation in this job. My family gives me strength. I find my balance and the inspiration for my work in my vineyard and in handicraft activities in the house and garden. I also like to travel around the world with my wife.



Uwe Gärtner in his vineyard

New products

Angle connector EV CC 41-1

The Angle Connector EV CC 41-1 is a new addition to the range of connectors for 3D systems made from MS 41 channels. This Pressix CC 41 group of products includes all the necessary components for constructing cross beams. Ideally, the desired construction is created with the MS 41/41 channels. A combination with other profiles up to 62 mm in height is also possible.

The CC connection technology locks automatically when pressure is applied to the screw head. At the same time, it secures the dead weight of the component and prevents slipping. After tightening, the toothed threaded plate creates a secure, positive-fitting and friction-locked connection. The flexible alignment of the rail openings makes it easy to create cross beams, especially if the rail slot of the support

Versatile application possibilities thanks to the flexible alignment of the rail slot

is not aligned in the direction of the cross beam. For more stringent corrosion protection requirements, e.g. for use in rooftop units, we offer the HCP version.

Assembly video



Joint JOI R

The Joint JOI R is suitable for bracing frames and L-type constructions. This type of bracing is required if shear loads are caused by pipes expanding during temperature changes. The joints are extremely important in cases where seismic loads are applied in several force directions. The keyhole design of the joint has the major advantage of allowing retrofitting even when the threaded rod has already been assembled.

When mounted directly on an MS 41 channel, four positive-fitting pins guarantee reliable torsion protection.

If it is necessary to brace in two directions, the Joint JOI R can also be stacked. The pins also interlock in this case. Torsion protection is also guaranteed if the Pressix Block PB 41 is used as a connecting element between the rail and threaded rod.

Assembly video





Our patented siFramo support system, tested according to EN 1090, is used successfully in numerous projects worldwide.

To keep pace with the constantly expanding spectrum of applications, including constructions on roofs and the construction of catwalks, for instance, we have added the following products to our range in recent months.

Detailed product information can be found in our e-catalogue at www.sikla.com

siFramo 80

- ◆ Cantilever Bracket AK F 80/30-Q
- ◆ Roof Connector DF AV
- ◆ Bracing Arm SKO F 80
- ◆ End Support STA F 80/30
- ◆ End Support STA F 80/30-Q
- ◆ End Support STA F 80-E 45°
- ◆ End Support WBD F 80
- ◆ Corner Bracket WD F 80

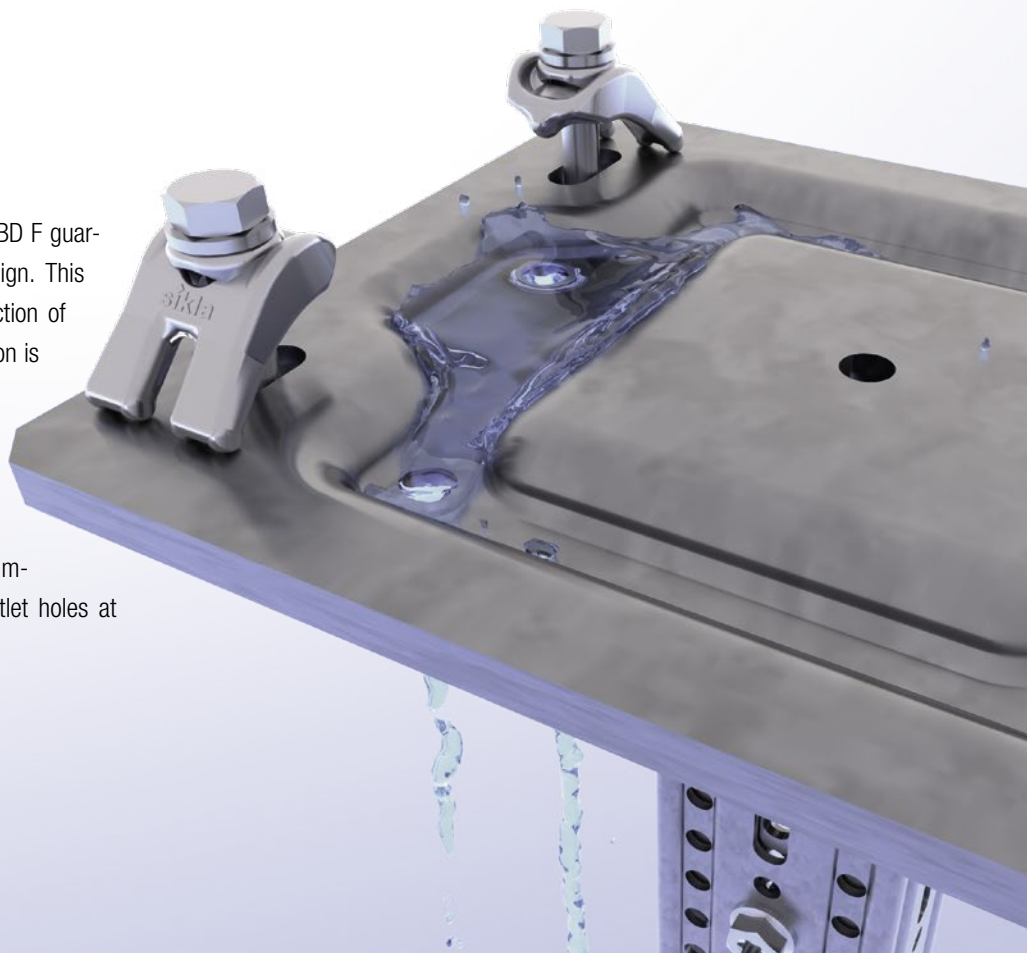
siFramo 100

- ◆ Cantilever Bracket AK F 160-100-E
- ◆ Roof Connector DF AH
- ◆ Roof Connector DF AV
- ◆ Square Coupling PK F 100 4kt HCP
- ◆ Octagonal Coupling PK F 100 8kt HCP
- ◆ End Support STA F 100-80-E 45 °
- ◆ End Support STA F 160-100-E
- ◆ End Support STA F 160-Q
- ◆ End Support WBD F 100

End Support WBD F 80 / 100

The new innovative design of the End Support WBD F guarantees more rigidity than the previous flat design. This has a particularly positive effect on the construction of support structures with siFramo. The same function is maintained while the relevant deflection has been significantly reduced. Another advantage is that the depressions slope slightly towards the corners.

This ensures that water (e.g. rainwater) and impurities drain away continuously through the outlet holes at each corner.



 **siFramo** inspires our customers

Pörner/Borealis Team wins the local “Borealis HSE Award 2019” with siFramo

By using the modular siFramo support system and thus ensuring a reduction in welding work, the Pörner/Borealis team emerged as the winner of the HSE Award.



HSE (Health, Safety and Environment) is a key topic at the Borealis plant in Schwechat, Austria's largest plastics manufacturer. Opportunities for optimisation are constantly being sought to promote safe working, to protect the health of employees and to support environmentally friendly working methods to the greatest possible extent.

Time-saving, flexible and safe

In the course of the “Hexene Capability” project, which was implemented at the PE4 plant at Borealis in Schwechat, the plant and project managers demanded that hot work be drastically reduced for safety reasons. In process plants, the supporting structures for pipes are normally welded to the steel structure of the building. This is a high-risk activity considering the large number of supports, the welding of pipe bearings, and the need for hot work to be carried out while the plant is in operation. With this in mind, Pörner suggested the use of siFramo, which would also meet the following evaluation criteria:

- ◆ Efficient design options in the 3D model
- ◆ Preparation of production documents and MTOs
- ◆ Efficient components and their possible applications
- ◆ Easy and flexible handling during assembly

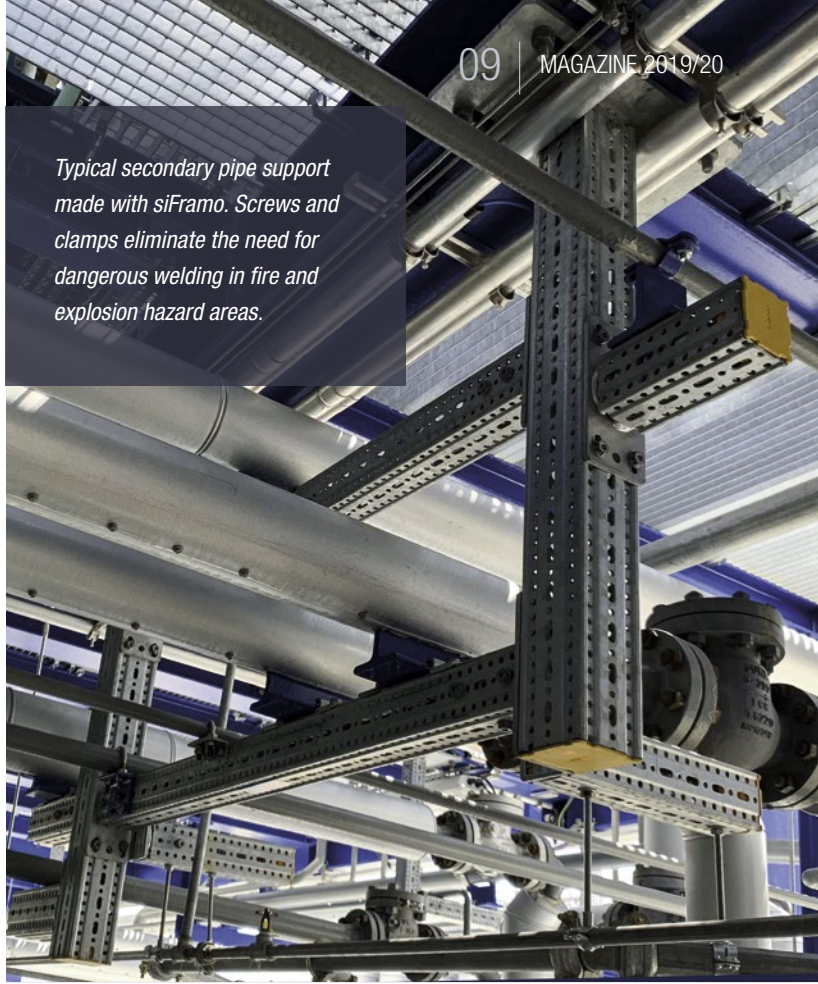
>> It was possible to install the supports during ongoing operation of the plant. The use of siFramo proved to be time-saving, flexible and, above all, safe, because no hot work was required. For this reason, siFramo will also be used in future Borealis projects. <<



Andreas Windisch, Engineer
Pörner Ingenieurgesellschaft mbH,
Vienna, Austria

Typical secondary pipe support made with siFramo. Screws and clamps eliminate the need for dangerous welding in fire and explosion hazard areas.

The siFramo support system offers flexible options for connecting to the steel structure and to the components that fit around the pipe.



Conserving resources by using siFramo

As a responsible family business, Sikla places a high value on the conservation of resources and on recyclability in product development. The siFramo support system in particular has a better ecological balance than conventional steel beams thanks to its much lower weight.

Manufacture



All siFramo components are manufactured in Central Europe with a focus on resource conservation. Our main suppliers are certified according to the ISO 14001 standard.

62 % less CO₂ emissions thanks to weight reduction

During the production of one tonne of finished steel products, such as conventional steel beams, 1.46 tonnes of CO₂ are emitted.

Weight comparison in relation to CO₂ emissions

	HE-A 100 beam	siFramo 80
Weight kg/m	16.7 kg/m	6.4 kg/m
CO ₂ emissions	24.38 CO ₂ / kg	9.34 CO ₂ / kg

The use of siFramo has reduced CO₂ emissions by an average of 13,762 tonnes over the past three years.

Logistics chain



The siFramo 80 beam weighs 10.3 kg/m less than the HE-A 100 steel beam.

The rule of thumb is:
A 100 kg reduction in total weight saves around 5 g of CO₂ per kilometre, on average.

With a full lorry load, approximately 19.8 kg of CO₂ per kilometre are saved.

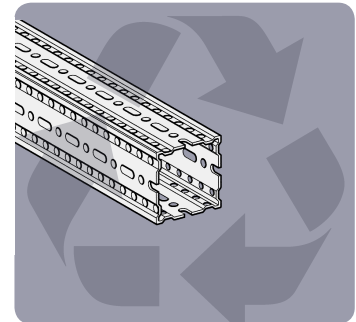


3 km **siFramo** beams



3 km HE-A 100 steel beams

Recycling



siFramo products can be recycled in a sustainable and environmentally friendly way.

The material thickness of a siFramo beam is 50 % less than that of conventional steel beams.

It is always the **connections with people** that make fair and respectful cooperation possible on an equal footing.

Body painting by Gesine Marwedel (Ger) and Patrick Grégoire (Can).
Photographed at the World Bodypainting Festival 2019 in Klagenfurt (Austria) by Martina Schrenk.
www.gesine-marwedel.de | www.patpainting.com | www.martina-schrenk.de



Earthquake-proof supports

Earthquakes are among the most powerful natural disasters that people can encounter. They occur totally unexpectedly and with a tremendous destructive force that claims human lives and damages buildings and other infrastructure.

There will probably never be complete protection against the effects of severe earthquakes. However, appropriate measures can significantly reduce the damage and, more importantly, the number of fatalities. Earthquake-proof construction is a life-saving protective measure. Since seismic activity varies greatly depending on the geography, country-specific standards and building regulations must always be taken into account.

Sikla's product mix of rigid components combined with ductile steel brackets, which deform easily and thus absorb energy, offer optimum earthquake protection.

Further information is available in the digital Sikla Seismic Guideline. This can be found in the download area of our website in German and English with the following content:

- ◆ Information on earthquake zones/ground acceleration with reference to relevant standards and calculation methods
- ◆ Suggestions regarding supports for earthquake loads according to application types
- ◆ Permissible load values in the case of earthquake loads
- ◆ Product recommendations and assembly instructions



German version



English version

