



Grand Opening
Impressions of a truly special event



Sustainability
MAPLAN invests in renewable energy



K-2016
MAPLAN on the starting block for K 2016



Generation 6 machine controls
Industry 4.0 interconnectivity

Editorial



Yesterday a vision
– reality today.

After just one year of construction work, we have opened our new facility with a Grand Opening. Our manufacturing activities are now even more efficient and sustainable, while at the same time we have invested in a location with expansion capability.

In addition to our new "takt time" production line, optimum working conditions for communication and the exchange of ideas have been created, thanks to our open office concept. We have made a clear case for high-tech manufacturing with European standards – and this is something we can be proud of!

These very positive feelings were also expressed at our Grand Opening. Together with our customers, employees and friends, we celebrated opening our new MAPLAN Facility. You can find more impressions of the Grand Opening on the following pages.

MAPLAN stands for progress, as stagnation is not part of our vocabulary. In keeping with this philosophy, our MAPLAN team has come up with further innovations – get a first taste of these developments, which we will be presenting at the K 2016!

We hope you enjoy reading our newsletter. With best wishes,



Ingrid und Philippe Soulier,
und Wolfgang Meyer



Grand Opening: Silicon Valley goes Kottlingbrunn !

After four years of hard work, the time had finally come: we celebrated the completion of our new production facility and headquarters in Kottlingbrunn on September 1 with a Grand Opening ceremony and a fabulous party. The high-tech campus would

be a part of and where workflow could flourish. We didn't want a boring factory, but

flexibility, innovation and performance, meeting zones and recreational lounges

„Congratulations to the whole MAPLAN team. One of the best machine manufacturing facilities that I have seen.“

Marcio Demarchi
Industrial Manager, Division Contitech,
Continental

not be out of place in Silicon Valley. Our Grand Opening was a very European affair, where we took our inspiration from Nice and St. Tropez, France!

At the beginning, it was just a dream. Then an idea with hundreds of hours spent planning its realisation. We considered and reconsidered everything. We spent a lot of time travelling and looked at the finest manufacturing companies world-wide. We

knew that we wanted to construct a completely new plant. One with opportunities for expansion in the metropolitan area of Vienna. One with spacious, flexible production areas and cutting edge production lines. A high-tech production facility, powered by renewable energy, in which everyone would enjoy

“A very innovative and environment-conscious factory that builds trend-setting machines. Both ergonomics and modern high-tech are taken into consideration when building the machines. It was a great evening with many interesting conversations.“

Artur Bartos
Global Leader TLC Injection Molding,
SKF Sealing Solutions GmbH



Grand opening ceremony: photo from left to right. Leopold Heidegger, CFO Soulier Management, Wolfgang Meyer, CEO Maplan, Christian Macho, Mayor Kottlingbrunn, Johanna Mikl-Leitner, Deputy Governor, Ingrid Soulier, owner, Heinz Zimmer, District Commissioner, Philippe Soulier, owner, Helmut Miernicki, Managing Director Eco plus, Christian Moser, Vice President Austrian Federal Economic Chamber.

an architectural gem surrounded with parks. MAPLAN is more exciting, more efficient, and more beautiful than we had hoped for. Our plans were highly ambitious – but we

have managed to exceed them!

Even the outside view of the facility has little to do with a mundane factory. The office building is a slender, black and white structure that conveys high-tech and innovation, and that's before you have entered it. The Google principle was adapted for MAPLAN: flexi-time and

for communication and relaxation. An open-office concept was implemented, complete with areas for staff to retreat. At the heart of our company, our manufacturing area was completely redesigned - we can now build machines in top quality with a "takt time" production line concept, optimised for best in-house logistics and production team interfaces. This is all with good reason: we are not a one-shot operation. Our business model thrives on long-term, dependable quality. This consistent quality has now been perfected.

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Sustainability – not just a buzz-word

A photovoltaic roof-top installation ensures energy efficiency and also covers a large part of our electricity consumption. Our production facility is equipped with underfloor heating, which is heated or cooled by means of a ground water heat pump in an environment-friendly way. Modern LED technology guarantees the best lighting conditions, whatever the time of day.

Business before pleasure

We think these are some compelling reasons for a fantastic Grand Opening! More than 400 guests accepted our invitation to celebrate with us on a warm and sunny September 1. Johanna Mikl-Leitner, Federal Minister of the Interior up until May this year

and current Deputy Governor, cut the ribbon and called MAPLAN a “flagship project for the domestic economy”. MAPLAN owner Philippe Soulier explained during his speech

“I’m impressed how a highly motivated MAPLAN team has realised a state-of-the-art production facility for highly complex injection moulding machines to cost and on time.”

Armin W. Rainer
Head of SES,
Semperit Technische Produkte GmbH

why he had chosen a location in Europe, “We want to be located close to our customers. The machines are constantly being adapted, documented and retrofitted for our customers, and this

requires communication and close proximity. When our customers need our support, we can visit them on-site!” CEO Wolfgang Meyer thanked Philippe and Ingrid Soulier for their trust in MAPLAN and having the courage to invest in the new facility – in total, twelve million euros. He added, “I want to thank MAPLAN’s customers and staff for their continued loyalty, and I look forward to continue working together!” Ninety percent

of all staff stayed with MAPLAN after the move, which is also a reason to celebrate.

The fire pond was given a beach, a band provided a summer evening atmosphere, while the clinking of cocktail glasses could be heard emanating from the deckchairs. With the flair of Nice and St. Tropez, France, guests talked, laughed, and danced into the night.

Some guests even claimed that few of the

guest speakers and staff jumped into the fire pond to cool off near the end of the party.

“The building is a success and has been built with great attention to detail. What’s more, MAPLAN put on a great grand opening party!”

Fritz Buschhaus
Executive Vice President Business Unit
Polymer Automotive – Engineering
Woco Industrietechnik GmbH



Sustainability: photovoltaic installation



Open Office: new ways to communicate



Did you know...

- ... that 1.25 km of LED strip lights are fitted in the new factory?
- ... that 35 km network cables were needed?
- ... that 60 km of pipes for the floor heating system were used?
- ... that 90 articulated trucks successfully carried out the move?
- ... that a photovoltaic system covering 4,500 m² generates energy for MAPLAN?
- ... that 9,000 m² of usable floor space has been created?
- ... that 12 new, orange coffee machines have been purchased and installed?

The Making of K 2016



Booth rendering



Final checks being performed on our machines for the fair

Brainpower, dedication, heart and soul

All of this can be found in the preparation for K 2016. Teamwork was essential.

Our engineers worked under great pressure to finish three newly developed machines from different series utilising the new C6000.web and C600.web control systems, which are to be presented at the fair in the new MAPLAN design (please see article on the

next page for more information).

After completion of the design phase and procurement of the components, work to build the machines started immediately in our production facility. Our fitters built the machines with total dedication and commitment. The results are impressive. Along with our most compact exhibit, the MTF-30C C-frame machine with a footprint covering less than 2 m², we also

completed and tested our largest exhibit, the MHF700D/300, using all technical means to do so. This machine has a footprint of just approximately 10 m² - the smallest footprint on the market for its class.

Furthermore, our MAPLAN team has dealt with all the logistics and organisational tasks connected with the K 2016 - so we're ready to go!

At the fair, our customers and other stand visitors can enjoy a very modern, 2-story booth. An ideal space to get to know the current, state-of-the-art machines made by MAPLAN, gather information, and talk to our experts.



Fair exhibits feature our new machine design

Interested in more details?

MTTF-30C - Top-Top-Series

With its "One Piece Design" this machine closes and injects from the top down, just like all machines in the C-frame series, and is exceptionally compact and space-saving. Its ergonomic operating height of just 937 mm enables optimal access of the mould space. A special highlight of this series which MAPLAN is presenting at the K 2016 will be the premier of a newly developed TPE injection unit.

MTF1500/250 - Vertical Machine

The 2,500 kN vertical machine also on display at the fair has been optimised ergono-

mically and features a new fully hydraulic clamping unit concept. Its significantly larger tie-bar clearance of 680 mm marks a big improvement and ensures more flexibility for automation solutions. Other highlights include a low operating height of just 935 mm, resulting in optimal access to the mould.

The clever "One Piece Design" makes it possible to transport the machine without having to remove the hydraulic or injection systems. This significantly reduces setting-up times at the customer's facility. Relocating the machine at a later

date within the customer's factory is also an easy exercise.

MHF700D/300 - Horizontal Machine

The large, universally deployable machine with a clamping force of 3000 kN offers more freedom than ever before. The enormous clearance, in combination with a large closing stroke, makes the use of a very wide range of mould components possible.

The servo-hydraulic drive system deployed on this machine (MAPLAN CoolDrive® II) is a guarantee for additio-

nal energy efficiency and flexibility for the machine cycle. Along with the main drive, the machine can be fitted with up to three additional hydraulic drive circuits. The exhibit is equipped with the Cure1 process optimisation system.

With its new machines exhibited at the fair, MAPLAN reinforces its technology leadership in the market. But don't just take our word for it - pay us a visit at K 2016, exhibition hall 16, booth D 49!

Let's get connected – Generation 6 controls

MAPLAN and Industry 4.0

Industry 4.0 is all about connecting industrial manufacturing with the most up-to-date information and communication technologies. Internet technologies ensure communication between people, machines and products.

"The Generation 6 control system and its connectivity in manufacturing is our contribution to the vision of Industry 4.0," says MAPLAN CEO Wolfgang Meyer. "Visualisation and transparency gives the operator real benefits when managing processes. The global compilation and access to business data makes it possible to evaluate processes and actively control them from anywhere in the world."

Industry 4.0 also means deploying intelligent assistance systems. Together with its development partner CAS, MAPLAN has started a small revolution in process design in the market with the Cure1 module. Furthermore, Smooth Movements enable the optimal automatic co-ordination between the injection-moulding machine and the mould itself. This technical assistance system supports users in achieving a stable process with the shortest possible cycle times.

The controls, the heart of the machine

Often seen as the "heart", the control system is actually the central intelligence of the injection-moulding

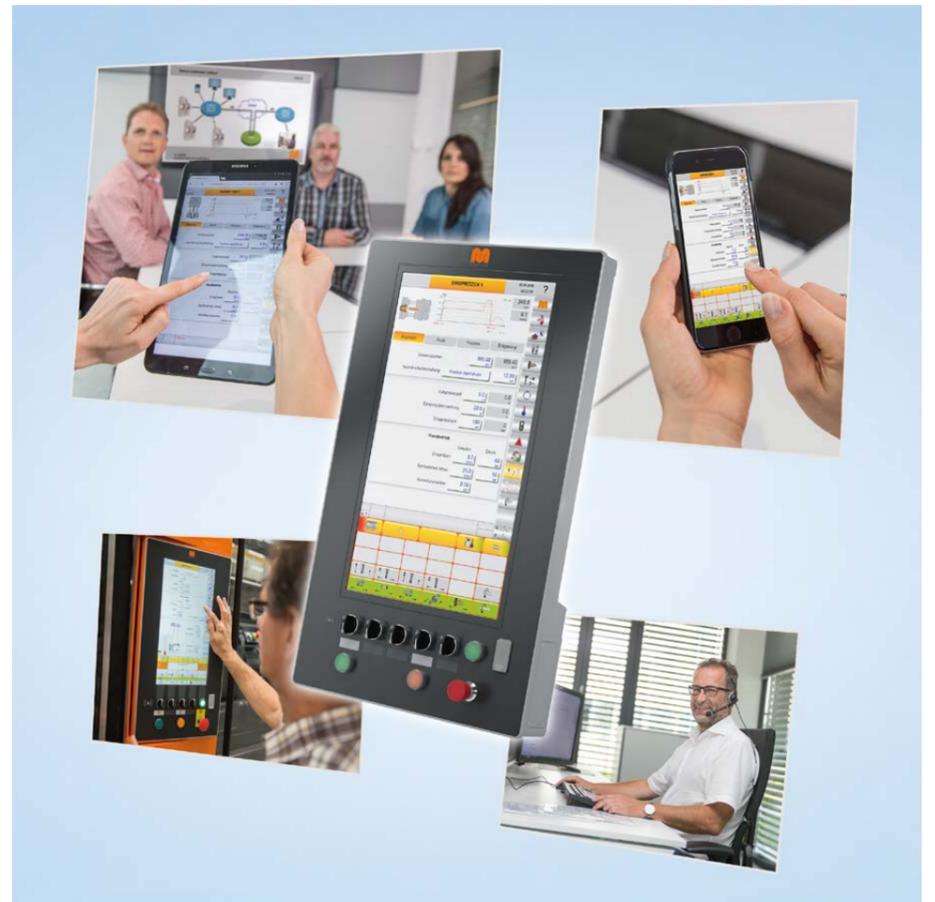
machine. The 15 inch C600.web is deployed as the standard control for all machine types while the 21 inch C6000.web – the high-end product – is mainly used for complex solutions and applications where a second control interface is required.

Alongside the main tasks of machine control, i.e. to precisely control the process, other aspects are gaining traction: usability, optimal visual presentation, transparency of information, and global connectivity. These aspects deliver more consistent quality, more effective process design, and added value for the manufacturer.

Visualisation on several independent terminal devices

Modern unified, efficient web standards now make it possible to use different devices (such as laptops, tablets, smart phones, etc.) cross-platform for visualisation purposes. With the C600.web, these devices can access different areas of machine control simultaneously. The machines are also protected from nauthorised access by a sophisticated security system.

What does this mean exactly? An example: A machine operator in the United States performs some fine adjustments. The production manager, on a business trip in Shanghai, calls up management data. The process engineer in Germany checks the process parameters. They all access data from the same machine and it all happens



Simultaneous access in real time to the same machine controls from anywhere in the world

- in real time - at the same time.

And another aspect: access is not limited to the company network. With the new generation of control systems, engineers

at MAPLAN can instantly connect with the machine when requested by the customer and provide rapid support!

Up-coming events

ARABPLAST 2017	Dubai - VAE	08. - 10. January 2017
TIRES & RUBBER 2017	Moscow - Russia	17. - 20. April 2017

Visit us at our new location in Kottlingbrunn, Austria!
We would be delighted to personally show you our new facility!



Editorial: Monika Kis-Contos | Christina Aumayr-Hajek | Rudolf Eisenhuber | Wolfgang Meyer | monika.kis-contos@maplan.at

All our branches, sales- and service-partners: www.maplan.at

Maplan GmbH
Maplan-Strasse 1
AT-2542 Kottlingbrunn
Tel: +43 2252 790 909
office@maplan.at

Maplan Deutschland
Gottlieb-Daimler-Strasse 66
DE-71711 Murr
Tel: +49 7144 89737 3
office@Maplan-germany.de

Maplan Russia
OOO „MAPLAN RUS“
Molodogvardeyskaya str 57,
office 433
RU-121351 Moscow
Tel: +7 495 640 83 88
office@maplan.ru

Maplan China
Shanghai Gentle Service Co., Ltd.
Of No. 11 Alley 77 Hefei Road
CN-200025 Shanghai
Mobile: +86 13611 916 224
jackie.mao@maplan.cn

Maplan France
2574, avenue des Landiers
FR-73000 Chambéry, FRANCE
Tel: +33 4 79 96 31 02
office@maplan.fr

Machinery + Planning
1659 North Lancaster Road
South Elgin, IL 60177, USA
Tel: +1 630 924 0100
Fax: +1 630 924 1675
office@Maplan-usa.com

Maplan Poland
Mr. Piotr Halaj
Sales Agent - POLAND
Tel: +48 508 282 824
Piotr.Halaj@maplan.at