

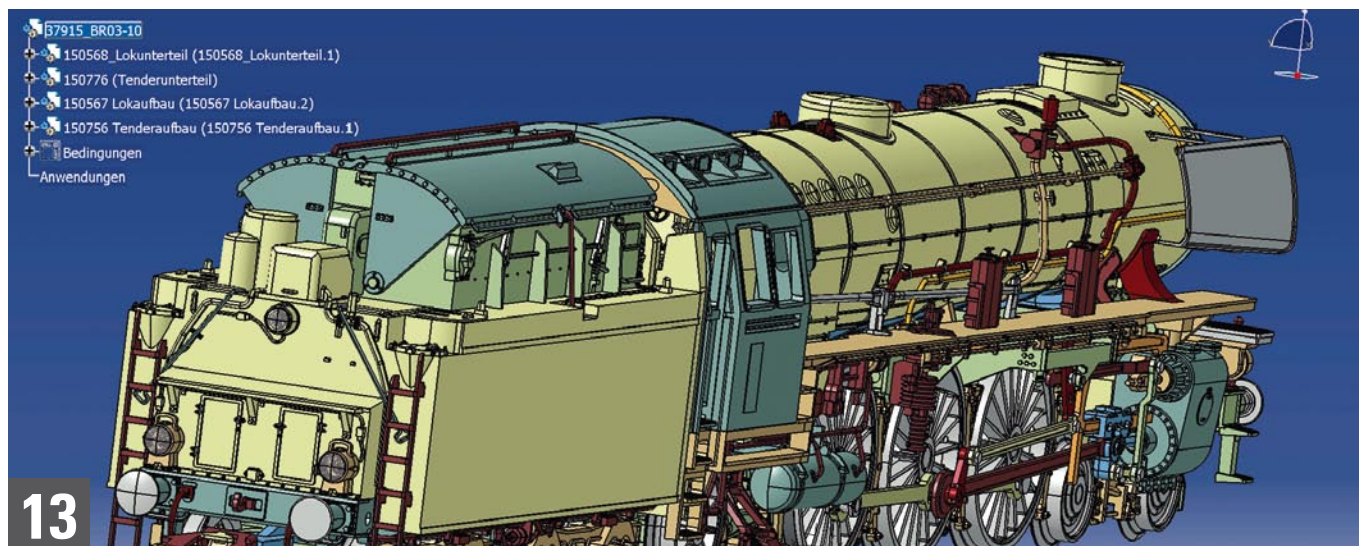
3 CLUB
NEWS
2010

märklin INSIDER

Exclusive Annual Cars for 2010
All about the classics of the
"economic miracle age"



A look behind the scenes:
New CAD software,
Märklin Insider round table 1



Investment: Märklin replaces their CAD software completely. Märklin is simplifying and speeding up the development processes with the state-of-the-art Catia design system, already in widespread use in the automotive industry and in airplane construction.

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märklin

INSIDER


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With the Club mailing 03/2010 you will find the following: Insider News 03/2010, Märklin Magazin 03/2010, year DVD (part 1), brochure for new products summer 2010, order forms for: Insider Annual Cars 2010, 1. FC Märklin Annual Car 2010, H0 freight car set, catalog 2010/2011



Enthusiasts: the MIST1 round table in Berlin.



Loyalty bonus: long-standing Insider Club members can order exclusive models.

Your service numbers

Customer Service

Club Hotline:

Telephone Monday–Friday
from 10 a.m.–6:30 p.m.

Telephone: +49 (0) 7161/608-213 • Fax: -308

E-mail: insider-club@maerklin.com

Questions about technology, repairs and spare parts / complaints:

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E-mail: service@maerklin.de

Internet

www.maerklin.com

Moving?

Please inform us in good time of your new address so we will know where we can reach you. A forwarding address at the Post Office unfortunately will not suffice.

Thank you for your cooperation!

Dear Insiders,

In this issue we once again present a varied selection of exclusive benefits for all members of the Insider Club: the Annual Cars of the Year for 2010 are two interesting freight cars dating back to the days of the economic miracle, and the special models offered as a reward for loyal membership of the Insider Club range from a grade measurement car through an express locomotive to container cars. How models like these will be produced even more efficiently in the future is revealed by a look behind the scenes: Märklin is currently investing in a CAD system with which everything from premium-class automobiles to top model cell phones are developed. It is also a particular pleasure for us to introduce the Berlin round table MIST1, the meeting point in the federal capital for a large number of Märklin enthusiasts. On top of that we once again offer you an extensive range of service information: the new dates for the digital info days as well as for the Märklin seminars. And there are new cooperation partners for Club members as well. Enjoy reading your Club News!



Dietmar Kötze,
Head of Customer Clubs

Dietmar Kötze

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Also the center of attraction on the demonstration layout: the numerous new releases by Märklin for 2010.

Karlsruhe, Dortmund: spring events

Top models score at the fairs

The two spring fairs in Karlsruhe and Dortmund afforded Märklin an enormous amount of attention and they were both again attended by many Club members. No less than 56,000 visited the 16th presentation of "The Fascination of Modeling", in Karlsruhe for the first time. The eye-catchers on the Märklin stand were the new models for 2010. The brand-new TGV and the glass train attracted attention as did the new Mobile Station. The move from Sinsheim to Karlsruhe, according to the model railroad fans, had been worth while, even if there were a few teething troubles. These included long queues at the cash-desks, causing unnecessary waiting times for the visitors. Intermodellbau, in the Westfalenhalle Dortmund, was again just as successful, attracting over 40,000 visitors. Here as well the top models for 2010 scored. Locomotives like the class 03.10, the Insider model, and the legendary VT08 rail cars all took their share of running on the layout as did the glass train, the "Gem of 2010". The digital fans were also able on the spot to try out the new Mobile Station, which can now control solenoid-operated accessories as well as 255 locomotives. Pride of place for the Z-gauge fans was taken by the rail zeppelin. Gauge 1 was distinguished in Dortmund by the top new 2010 production of the E 03 and the class 58 steam locomotive, this year's Insider model. The next Intermodellbau takes place from April 13 to 17, 2011.

DVD for 2010 – part 1

Twice a year, each Club member receives a Chronicle of the most important events to do with Märklin – and right on time in spring, the first of the two annual DVDs for 2010 is here. It brings you not only the highlights of Märklin's anniversary year once again, on the screen – such as the prototype show at the Märklin Days in Göppingen (see pictures on the right), which attracted over 40,000 visitors to celebrate Märklin's 150th birthday. The DVD also brings to your screen other exciting moments like the premiere of the museum cars 2010 and the Nuremberg Toy Fair. In addition to a report on the Insider trip to the Appenzeller Land there is also a tip for an enjoyable excursion to the German steam locomotive museum in Neuenmarkt-Wirsberg. Part 1 of the year's DVD is being sent out with this mailing; it is no longer being sent out separately. A cover is available for you to download on the Internet, and suitable containers from the electronics store will help you keep your collection under control.



Märklin catalog 2010/2011

It has cult status: the several-hundred-page Märklin catalog. You will find the order form for the 2010/2011 edition included with this issue of the Insider. Use the coupon now to order the catalog from your Märklin dealer. The whole range of models is presented as usual in an easily-followed form, and – due to the attractive appearance with large-size photographs of models and prototypes,

the catalog is a highly-desirable collectors' item. Naturally, the new edition also includes all the new releases and the Insider special models suitably described. The catalog is gratis for Insider Club members.

Highlight As the Insider model for 2010, the class 03.10 deserves a place of honor in the new catalog for the year 2010/2011 – in the post-war years she defied the electric locomotives.



100 years Bernina railroad

With exciting exhibitions, lively celebrations and special trips, one of the world's most spectacular mountain railways celebrates its centenary: on sharp curves between St. Moritz und Tirano the Bernina railroad negotiates the 2,253 meter Bernina Pass – using electric traction and adhesion only. This pioneering performance is naturally also paid due homage by

Märklin who will be present at the main birthday celebrations in Poschiavo on July 19 and 20. There is a model railroad exhibition in the depot there. Further highlights alongside the central railroad exhibition are a locomotive simulator, a presentation of rolling stock and locomotive parade and fireworks display. Since 2009, the line has been listed as a UNESCO world heritage site.



Photo: Joachim Ritter

Z-gauge is great

Well in excess of 2,000 visitors were attracted to the third Z-gauge weekend run by the Z-Friends Europe in the railroad town of Altenbeken. Almost the whole of the Z-gauge product range was there. The spectrum extended from Märklin's new releases for 2010 to the ranges of the accessory manufacturers. So everything was there which model railroaders desired: digital technology, lighting, vehicles, figures, etched components and building kits. Even the Z-gauge doctor was there with his practice to show his skills on loco patients needing treatment. Internationality was trumps: many model railroaders with layouts and modules from all over Europe had followed the call of the Z-gauge (see page 20).



The packhorses of the economic miracle: each "long Oppeln" transported up to 15 tonnes of paint for the Spangenberg factory – post-war Germany wanted to appear in full color.

Two classics of freight transportation in H0 and Z

Insider Annual Cars 2010

For Märklin Insider Club members, the annual membership subscription includes an Annual Car – in 2010 there are two freight cars to choose from. The order form is included with this mailing and should be handed in by July 31, 2010 to your Märklin dealer who will deliver the Annual Car to you.

In the 1930s, the good old rivet suddenly reached the end of its service, and the age of welding was born. Advantage of this technology: it became far simpler to build freight cars which were more stable and stronger than riveted freight cars. Thus a number of classics were born, many of which served well into the era of the young federal republic. This included the high-capacity boxcar "Ghs Oppeln", which Märklin has redesigned for production this year as H0 Annual Car for Insider Club members (see box).

The "Ghs Oppeln" has its origins in a design modification to the "Ghs Dresden". Between 1934 and 1937, over 1660 of these freight cars were built, then the maximum load surface was enlarged from 24 to 26 square meters – and the "Ghs Dresden" cars with a 7-meter (23') wheelbase were reclassified into the "Oppeln" series. The Ghs Oppeln cars, as they were now officially known, were now differentiated from other cars of the same series by means of a nickname: the experts simply called them "long Oppeln".

Prototype: The federal railroad still operated 900 of the "Ghs Oppeln" in 1951.

Corporate identity: the ALAK trucks were painted golden-yellow too.

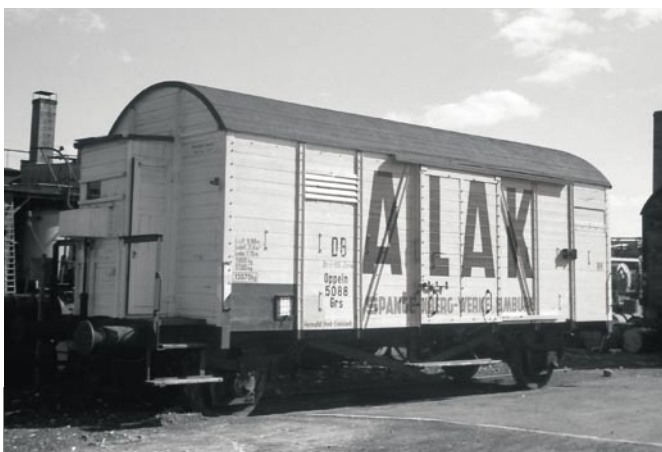


Photo: Works photo Schmitz, from: Bernd Regenber, "Die deutschen Lastwagen der Wirtschaftswunderzeit" volume 2, Verlag Podszun Brilon

Märklin is producing this car exclusively for the members of its Insider Club in the company livery of "ALAK-Spangenberg-Werke Hamburg". Previously the "long Oppeln" has only been produced in white, because photographs of the prototype were invariably black-and-white. However, by means of technical analysis of the gray tones, it has been proved that the original livery of these cars was in fact golden-yellow – and thus this new product is simultaneously a première as well.

The Annual Car 2010 in H0 will be in the Deutsche Bundesbahn version with the lettering "Brit-US-Zone Oppeln 5088 Grs", and belongs in era III (1945 to 1970). It is in fact a new version of the long Oppeln, which was in service in the USA and British zones of occupation in the federal republic.

The lettering "ALAK Spangenberg-Werke Hamburg" also suits this era: after WWII, the chemical company headquartered in Hamburg-Eidelstedt was one of the most important paint manufacturers. The demand for fresh painting increased enormously as the economic miracle got under way, and so the long Oppeln with its loading capacity of 15 tonnes came at just the right time for the company's owner Willy Spangenberg. The Deutsche Bundesbahn was still running 900 of these workhorses in 1951; the last was withdrawn from freight traffic in 1974. The second Insider Annual Car 2010 – in Z gauge – also thanks its development to a Deutsche Reichsbahn rationalization initiative. They had the idea of improving the efficiency of container operations by unloading containers and having them conveyed onwards by road. Thus what was probably the first container-carrier in Germany was presented in 1924 at the "Railroad Engineering Exhibition" in Seddin: the "tank car with removable tanks" for the Meierei Bolle A.G. in Berlin. This flat car, constructed by the Friedrich Krupp AG, had four rollable tanks. After World War II both the Deutsche Bundesbahn and the GDR's Reichsbahn expanded this segment of transportation further. In West Germany, the first flat car for large containers to meet with success was the BT 10, which was developed from a two-axle boxcar.

Coal carrier with three containers: The BT 10 with its removable containers.



The Insider Annual Cars 2010

Final ordering
date: 31.07.2010

48160 H0 Insider Annual Car for 2010



Prototype: "Oppeln" type Ghs interchange design boxcar with a brakeman's cab. Used on the German Federal Railroad (DB). Privately owned car painted and lettered for Spangenberg Works, Hamburg, Germany. The car looks as it did at the beginning of the Fifties.

Model: Length over the buffers 11.3 cm / 4-7/16".
DC wheel set 2 x 700580.



80320 Z Gauge Insider Annual Car for 2010



Prototype: German Federal Railroad (DB) type BT 10 container transport car. Loaded with 3 type Eoskrt coal containers.

Model: The containers are mounted on the car. All of the containers have different registration numbers.
Length over the buffers 40 mm / 1-9/16".



The order form for your Insider Annual Car 2010, due to be delivered in the third quarter of the year, is included with this issue of the Insider Club News. On the form is printed the gauge of your choice, H0 or Z, together with the corresponding item number. Should this be incorrect, or should it have been altered, please strike out the entry shown and enter the other gauge, in which you will in future receive your Annual Car.

Please note that it is no longer possible to change the gauge of the Annual Car 2010 which we already have on our records. Similarly, the exclusive nature of these cars means that the supply of more than one car, or a car in an additional gauge, is not possible even against an additional payment.

The order form should be handed in to your local Märklin specialist dealer by 31.07.2010.



Freight transportation in the 1950s

The German economic miracle travels by train

A great piece of post-war history and the ideal complement to the 2010 Annual Car in H0: the freight car set 48812.

That the time of the economic miracle was characterized by hard work is well enough known. Freight car set 48812 by Märklin is now produced as a reminder of those early days of the Federal Republic. The set, produced in the condition in which it was running in the 1950s, shows impressively how the Hamburg Spangenberg-Werke had their chemical and paint products transported by rail. Together with this year's Insider Club Annual Car 48160, the freight car set 48812 allows you to realize a small and interesting chapter of the German post-war history of the Spangenberg-Werke in Hamburg in model form.

With the accompanying order form, each member of the Insider Club can order an example of this model through his local Märklin authorized dealer. We expressly remind you that these Insider order forms are not transferable.

Final ordering date:
31.07.2010

■ Model highlights 48812

- New design of the pa-container type Ekrts in rectangular shape.
- All containers have different registration numbers.
- Ideal complement for the Insider H0 Annual Car 2010 item 48160.
- Interesting theme of the German post-war history.
- The set is for sale, and is only available in H0 gauge.

Freight car set 48812 (H0)

H0



Prototype: 1 freight boxcar GI Dresden of the Deutsche Bundesbahn (DB), with markings for the DR/Brit-US-Zone, 1 flat car for containers BTh Offenbach with brakeman's platform of the Deutsche Bundesbahn (DB), with markings for the DR/Brit-US-Zone. Loaded with 3 pa-containers of type Ekrts, in rectangular shape as on the Deutsche Bundesbahn (DB), with markings for the DR/Brit-US-Zone. 1 Kälble tractor unit with 2-axle Deutsche Bundesbahn (DB) trailer, loaded with an extra pa-container, type Ekrts. 1 Krupp Mustang road truck with 2-axle trailer in the livery of the company Spangenberg-Werke Inc., Hamburg. As operating in the early 1950s.

Model: freight boxcar in the version without handbrake and without end-wall doors. Length over buffers 13,9 cm / 26". Flat car for containers with lettering panels applied. Length over buffers 11,4 cm / 26". Removable pa-containers all with different container numbers. Road truck models with trailer in a combination of metal and plastic. DC wheel sets for each freight car 2 x 700580.

Traveling goal-wall, comic-style



Annual Car: 1. FC Märklin 2010

For members of the 1. FC Märklin, we are again producing a special car in H0 gauge, and in accordance with tradition, we are offering it to all Insiders.

King Football has all the fans gripped. The World Championships in South Africa will enthral millions of people. What could be more fitting than for model railroad fans to have an attractive H0 model printed with a design to suit the subject? The container car, conceived as a "traveling goal-wall" has the Warner Bros. figure of Daffy Duck printed on it. There are also lots of footballs to be seen, which were shot

and missed the two "goal-holes". One ball has even caught Daffy Duck, familiar from the Looney Tunes, and seems to have sent him flying backwards. With its highly-detailed design, this 1. FC Märklin Annual Car fits in perfectly with the series of its predecessors. Unfortunately, due to legal licensing restrictions, we can only offer this model for sale in a limited number of countries (see box below). The order form is therefore only sent out with mailings to these countries. Please note the date for last orders, and hand your order form to the Märklin dealer of your choice by July 31, 2010 at the very latest.

Model description

48610 1. FC Märklin Annual Car for 2010 (H0)



Prototype: Container car.

Model: The car is decorated as a soccer goal wall with 2 openings and makes use of themes from the world of »Looney Tunes«. 1 »Looney Tunes« figure is included. The car has Relex couplers. Length over the buffers 11.5 cm / 4-1/2". DC wheel set 2 x 70 0580.



TM & © Warner Bros. Entertainment Inc.
(s10)
www.looneytunes.com

Daffy Duck, the saucy comic duck belonging to Warner Bros. cartoon studios, is up to his football tricks in World Championship year. With his amusing ways, which fall somewhere between the cheeky devil and the loser you cannot help but sympathize with, this summer Daffy Duck imparts a feeling of cheerful light-heartedness. On the 1. FC car by Märklin lots of balls have already missed the holes in the goal wall. That can happen. But Daffy Duck wouldn't be himself if in all the excitement he didn't happen to catch one of these balls right in the midriff. But he takes it all in good fun – as always – and thus spreads around the humorous charm of someone who is always game for a laugh, which is precisely why he is such a popular figure.

With the accompanying order form, each member of the Insider Club can order an example of this model through the MHI dealer or his local Märklin authorized

dealer. We draw your explicit attention to the fact that Insider order forms are not transferable. The model 48610 will be produced in 2010 in a one-off series for 1. FC and Insider Club members. Please observe the closing date given on the order form: July 31, 2010. Deliveries are scheduled to begin in September 2010.

For legal reasons, this model is only available in the following countries: Germany, Austria, Switzerland, The Netherlands, Belgium and Luxembourg.



Loyalty to the Märklin Insider Club is well worth while

Exclusive special models for anniversaries

We have special anniversary models waiting for those who have been Insider Club members for five, ten and fifteen years. The qualifying members will automatically receive an appropriate order form. All those celebrating these anniversaries can obtain these exclusive products. In this way we reward years of loyalty to the Club in a very special manner. We wish you all lots of enjoyment with the anniversary models.

46010 Track Cleaning Car (H0)

Prototype: Two type KK 15 gondolas, permanently coupled, used as a railroad maintenance car. Era III design.

Model: Both cars come with a built-in track cleaning device. Each one consists of a metal block that moves vertically with parallel polishing felt cleaning pads. The cleaning pads can be replaced and washed. Retractable opening roofs. Close couplers guide mechanism. Both cars permanently coupled. Length over buffers 15.3 cm/6-1/32".

H0

Only for members with ten completed years of Insider Club membership who have chosen H0 for their Annual Car.



86002 Birthday Car (Z)

Model: The birthday car is not only appropriate to celebrate one's own birthday, it's also a very special gift for friends and acquaintances. «Happy Birthday» music chip is built into the original packaging. The melody plays when the package is opened.

Only for members with ten completed years of Insider Club membership who have chosen Z gauge for their Annual Car.



H0



5 years joined 2005**46582 Grade Measurement Car (H0)
86191 Grade Measurement Car (Z)**

Model: using the built-in spirit level, rising and falling grades can be determined in percentage terms.

Only for members with five completed years Insider Club membership. According to the gauge selected for the Annual Car.

H0

Z

**10 years** joined 2000**37082 Express Steam Locomotive (H0)**

Prototype: Krauss-Maffei design for the German Federal Railroad (DB) class 10.

Model: This locomotive comes with a digital decoder, controlled high efficiency propulsion and sound effects module. 3 axles powered. 2 traction tires. The tender is constructed of metal. There is a close coupling between the locomotive and tender. The locomotive is ready for installation of the 72270 smoke generator. The headlights and smoke generator will work in conventional operation and can be controlled

digitally. The running gear lights, whistle, and steam locomotive sound effects synchronized with the driving wheels can be controlled digitally with the 6021 Control Unit. Length over the buffers 30.5 cm / 12".

Only for members with ten completed years of Insider Club membership. This H0 model can be ordered by members with H0 and Z Car of the Year choices.

H0

**15 years** joined 1995**94339 Flat Car for Containers (H0)**

Prototype: German Railroad, Inc. (DB AG) type Lgns 570 flat car for transporting convertible truck transport units.

Model: The car has a prototypical partially open load surface. The axle mounts for the car are separately applied. The side walls for the convertible transport units are printed on both sides with different images of all of the H0 Gauge Insider annual cars from the past. There is additional imprinting on the top of the transport units. Length over the buffers 19.1 cm / 7-1/2". DC wheel set 2 x 700580.

Only for members with 15 completed years of Insider Club membership who have chosen H0 for their Annual Car.

98089 Flat Car for Containers (Z)

Prototype: German Railroad, Inc. (DB AG) type Lgjs 598 flat car for transporting containers.

Model: The car two 20 foot containers, each with a door at the end. The side walls for the containers are printed on both sides. There is additional imprinting on the top of the containers. The containers are removable. The car platform for the container flat car is constructed of metal. Length over the buffers 64 cm / 2-1/2".

Only for members with 15 completed years of Insider Club membership who have chosen Z gauge for their Annual Car.

Z



Advertising models April & May 2010

H0



4482.133 "Technisches Hilfswerk"
Bundesanstalt Technisches Hilfswerk München



94349 "Capri Sonne Orange"
Available in specialist dealers



94343 Train set "Steiff" (including wooden case)
Available from the Sammler Galerie, Georgenstr. 19,
80799 Munich, Germany
Tel.: +49 (0) 89/33 99 62 80, Fax: +49 (0) 89/3 39 96 28 99,
www.galerista.de and in specialist dealers

Z



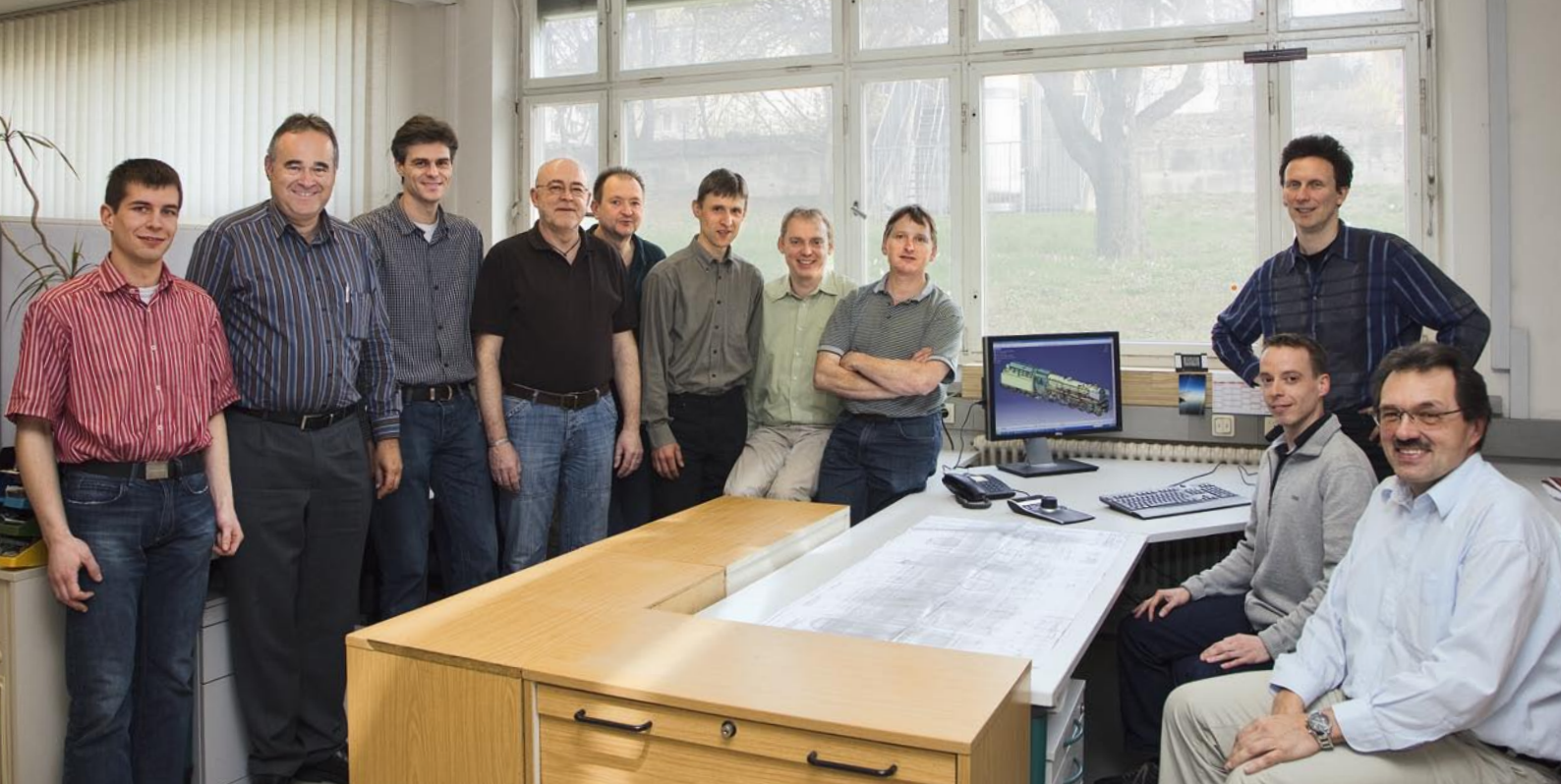
8617.133 "modellplan"
Modellplan Göppingen,
Reussensteinweg 4, 73037 Göppingen, Germany
Tel.: +49 (0) 71 61 / 81 60 62, Fax: +49 (0) 71 61 / 8 85 75,
www.modellplan.de



8600.151 "Z-Weekend Altenbeken"
This special car was produced in a limited
run for the 3rd International Z Weekend on
March 13 and 14, 2010 and sold by the "Z-
Friends-Europe".

Please note:

Advertising models are only produced for Märklin dealers or for companies in industry (the latter identified by *). Normally the models identified by a * are not offered for sale. Therefore we do not provide any addresses for these models. Models can only be made known to the public on these pages that have already been shipped to the customer or where the customer has given explicit permission for this.



Using state-of-the-art software tools, time spent by the Märklin development team on designing new models will be dramatically cut.

Märklin are investing in complete renewal of their CAD software

Turbo for innovations

As market leader in model railroads, Märklin stands for quality products. This is why the company is making strategic investment in a design system which is already standard in the automotive industry and will make development more efficient.

Product development is the core of Märklin's activities; in the field of model railroads alone the design engineers at various locations today turn out between 350 and 500 new items every year. The delicacy of the work is not only the reason behind the quality of the products, but also their legendary retention of value. The

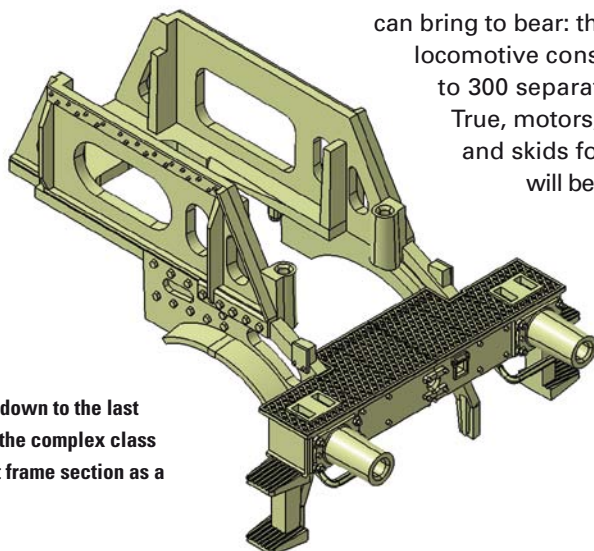
detailing required working in these scales demands all the skills the developers can bring to bear: thus a locomotive consists of up to 300 separate parts.

True, motors, couplings and skids for example will be common

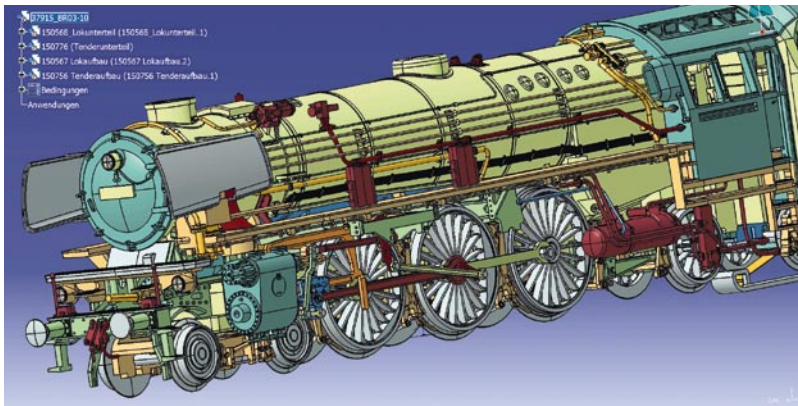
to other models, but staying faithful to the prototype usually forces a complete new design. The complexity is multiplied by having five different gauges: (H0, 1, N, Z and G) and three product lines (Märklin, Trix and LGB). The product variety stretches from the locos through to the accessories.

In 2009, the powers that be decided to embark on a new course in the design infrastructure and processes. "We are consciously reinforcing Product Development, because Märklin is by far the most innovative company in the sector and this is where the foundations of a successful future for the company will be laid", asserts Dr. Kurt Seitzinger, the Company CEO, who was appointed by the official receiver to Gebr. Märklin & Cie GmbH. So quality and retention of value are two aspects which are still being supported through the insolvency procedure which the traditional brand name is successfully negotiating – in 2009, the company with its global workforce of around 1,000 returned to profitability.

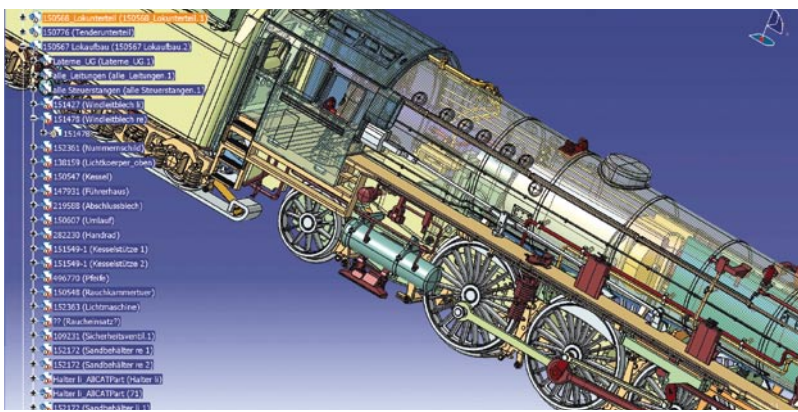
"Through purchasing companies like Trix



Designed down to the last tiny rivet: the complex class 03.10 front frame section as a 3D model.



Brilliant: the CAD model shows every lubrication pipe and each sandbox in full detail.



Clever: the transparent boiler allows the developer to look inside it.

and LGB, our development engineering equipment had become inhomogeneous and incompatible – indeed in some cases we were having to go back to manual design on the drawing board", as Michael Zauner, Märklin's project leader, sketches the opening scenario. The historical diversity of the system obstructed the flow of data between the

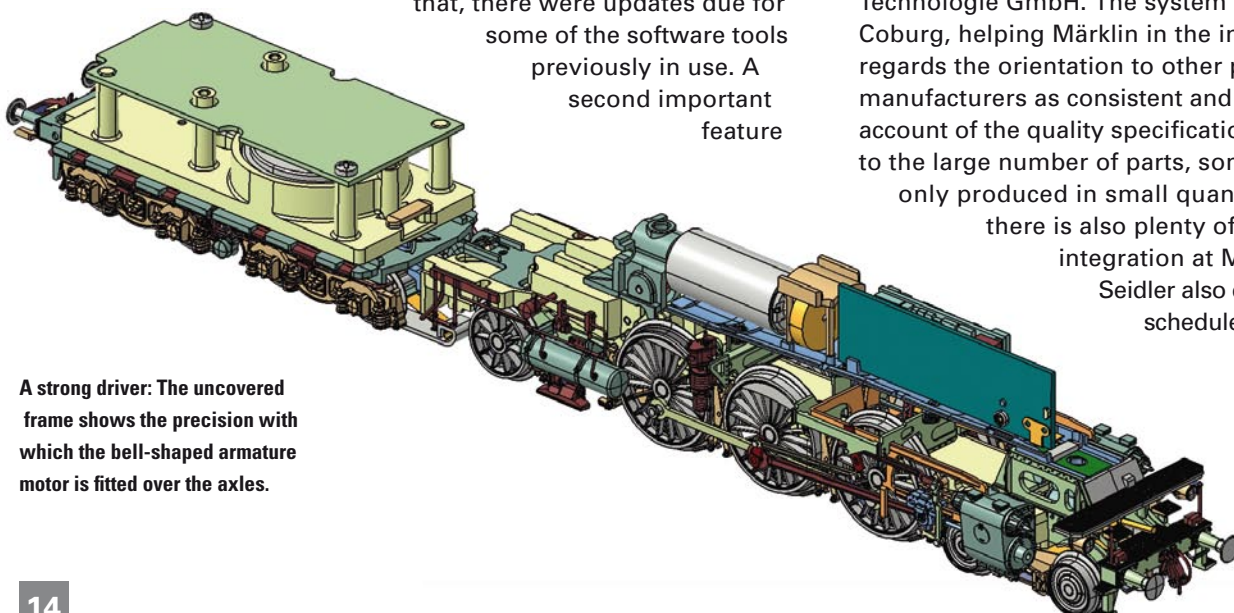
factories and the developers. On top of that, there were updates due for some of the software tools previously in use. A second important feature

was to be reorganization of data administration: distribution of some of the information was still being carried out using file-folders and paper, or else the files were stored in proprietary databases – so not all users actually had access to the digital information.

"The high speed of innovation at Märklin makes a continuous process chain essential", explains Zauner, which is why Märklin launched "Projekt Merito" in 2009. The name is an acronym standing for "Märklin Entwicklungszeit Reduzierung durch IT Optimierung" ("Märklin development lead-time reduction by IT optimization"). The specification: through use of a standard data environment and barrier-free data exchange to enable developers to work better hand in hand and to be able to develop new products more quickly. Below the line – that's the target for realization – there should be a reduction in the design phase of around 30 per cent.

To be used as a basis for the ambitious project, there will be the digital design tool Catia V5 in combination with Enovia Smarteam for administration of the design data. "The system by Dassault Systèmes fulfils the essential criterion of combining CAD design technology and product life cycle management from a single supplier for a continuous flow of information", says Zauner in justifying the selection. Thus on the combined basis of CAD and PLM the idea of alterations on the way from product development to cutting tool became obsolete. "The Catia and Enovia Smarteam platforms have also become established in other sectors with extremely high quality requirements like the automotive industry", explains Dr. Ralf Seidler, CEO of Schwindt CAD/CAM-Technologie GmbH. The system house from Coburg, helping Märklin in the introduction, regards the orientation to other premium manufacturers as consistent and not only on account of the quality specifications: "Due to the large number of parts, some of them only produced in small quantities, there is also plenty of vertical integration at Märklin".

Seidler also considers the schedule demanding:



A strong driver: The uncovered frame shows the precision with which the bell-shaped armature motor is fitted over the axles.



Michael Zauner, CAD project leader Märklin: "The speed of innovation makes a continuous process chain essential."

"A complete reorganization of this nature would be introduced over a period of four to six years in the automotive industry – and Märklin wants to complete it in two years". Zauner has not so far observed any technical restrictions imposed by Catia, and he also expresses his satisfaction about the refinement displayed by the new tool's skill in calculating gearing ratios or representation of the wiring – even complicated pipework designs are made easier. Through the combination of collision analysis and movement simulation it is ensured in the course of the development process that a locomotive or a car will also run safely through the curves. And the developer can now select standard parts such as screws or plugs from an integrated catalog. The design data which are thus created are then elegantly directly used to carry out the NC programming. There were two paradigm changes along with the changeover. "First of all, there had to be a complete rethink from pure flat modeling to volumetric, hybrid and shell models", as Zauner relates. More serious though is the change in method. "Up to now, we have

designed many details of a model in accordance with the "bottom-up" principle. Now we use the "top-down" starting point in the fundamental conceptual phase first of all to give an abstract description of the complete model, followed by concretization and detailing for variants". The top-down design method is now laid down across the company in manual form.

There is also relief afforded by the new document and product data management. It handles all data irrespective of the format, whether photographs, office document or 3D model. This improves the interchange of information between all departments: anyone needing CAD data or 3D pictures now gets them directly from central data administration and no longer has to interrupt the developer. He in turn can concentrate on the job in hand. Even the documentation benefits: using the 3DVIA Composer of Dassault Systèmes, the exploded drawings are now also done in-house – the tool pulls apart all the complex components according to perspective and connects them up with lines.

Text: Rochus Rademacher

Photo: Nikon



Photo: Airbus



Photo: BMW



Whether it's cameras, the Airbus or BMW, in the development of complex premium products, Catia software is the designers' standard tool.

Photo: LG



Mobile phones integrate high-tech in the smallest space – without CAD technology not possible.

CAD software for high-tech products

Catia is the CAD software which Märklin is now using. It is a product of the Dassault Systèmes company and is used all over the world in the development of high-tech products – whether for large machines like the Airbus or almost all makes of automobile, or for highly-integrated products like cameras or cell phones. Dassault Systèmes has led the field in the 3-D software market since 1981 and since then also supports multiple-location product development processes by the use of PLM applications (Product Life-cycle Management) and services. CAD is in fact no longer merely a digital substitute for the drawing board: the solutions offered cover the whole product life cycle ranging from the initial concept to the finished article. Catia for 3D design is supported by modules like the 3DIVA for product documentation, Delmia for the virtual production and Simulia for virtual tests. Enovia looks after the global, collaborative life-cycle management.



Insiders hold up the Märklin banner: The Berlin round table binds together the members – all extremely active in individual projects – networking for experts.

Portrait of Märklin Insider Round Table 1

Expertise with the fun factor



Rendezvous: The cozy and traditional restaurant Max und Moritz in the Kreuzberg district is home to the Märklin fans – it lies right in the middle of the federal capital city and is thus within easy reach for everyone.

In the federal capital of Berlin, the Märklin Insider round table (MIST1) is the crystallization point for individualists and experts who are united by three things: enthusiasm for Märklin, projects with public appeal, and enjoyment.

Round table agenda? "No, everyone just brings something to run or discuss, whatever they are busy with at the time", says Frank Ronneburg, one of the leading lights of MIST1. "And it works: by chance, at the last meet, five members had their V200s with them, so we simply arranged a competition – and the newest model won". It's all unconventional at the Märklin Insider round table meeting once a month in "Max and Moritz", an old Berlin restaurant in a listed building in the heart of the federal capital. The MIST1 recognition sign is unconventional too. Instead of the Prussian T8 tank engine you might expect, there are two Märklin diesel trains running parallel. "Two people brought the Ontario Northland Railway's "Northlander" rail car train and its Dutch counterpart with them to the first meet on March 8, 2002 – and that became our logo". To quote Ronneburg, the internationality of

the meet is emphasized by one common factor: "We are all first and foremost Märklin fans". The founding meeting was characterized by substantial representation of all gauges, inevitably leading to a rejection of purism: as Ronneburg says, "We don't want cliques to form; we are open for anything – it is interesting to see and encouraging anyway to see all these different things. And this is why MIST1 didn't want to become a registered association. Due to this very open-mindedness, enthusiastic operators, collectors and builders have no worries about making contacts for technical tips, whether their questions are on the Mobile Station, mfx decoders or on signaling installations. The relaxed and fun-loving atmosphere of MIST1 is not an attitude; expertise is also an important ingredient of the round table. The round table is regularly attended by between 25 and 40 people with ages ranging from 30

to 60. "But there are over 100 people on our e-mail distribution list who keep in touch on dates and projects", says Ronneburg. And the website registers over 16000 hits every month. The fact that one meet a month is enough for this community has many reasons – or indeed just one: members live close together and meet in many projects and circles and on trips. So grouped around the last round table meet was the co-sponsored railroader event in the Post railroad station which chalked up almost 8000 visitors over three days, and of course MIST1 was there with a layout at the celebration of "75 years of Trix-Express" in the Berlin Museum of Technology.

Some of us meet on a Saturday to go bargain-hunting. "The dealers hold modelers' days and the are innumerable swap-meets", as Thomas Rietig says; he is a journalist and in his spare time he doubles as editor-in-chief of the humorous "Etwaige Nachrichten", which is extremely popular with knowledgeable model railroaders. "In addition, Berlin is thought of as the main stronghold for second-hand shops with many old models which were run in the east in the years prior to 1949".

Apart from their common collecting and hunting passions, however, the MIST1-Berliners also pursue their own individual projects. Ronneburg looks after the Insider homepage on table railways (Tischbahn), Rietig handles the news scene and MIST1 spokesman Sven Richter



Train parade: a small layout is all they need in Berlin – they like to focus on locomotives and rolling stock.

Information platform: the MIST1 website registers some 16000 hits per month. It tells everyone what is happening in the colorful Berlin railroaders' scene.



Eye-catcher: MIST1 takes the eye at exhibitions with rarities such as the giant wheel.

operates Berlin's only serviceable steam locomotive for trips to Dresden, Leipzig and Poland. "The full-scale model railroader", his colleagues joke, "the man who runs without a center rail". Again, Jan Riemke builds railroad models with kids. "These are kids from problem households where it's not the kids who are the problem, but their parents", as Rietig says. "If ever Jan needs a bit of support with electronics or D-I-Y work, we naturally give him a helping hand". Pedagogics also play a part in the project run by Berlin Transportation engineer Christian Fritsch, which controls a model layout using original parts from a mechanical signal tower: "Thus kids understand cause and effect". Despite these widely-varied interests – once a month the Berliners meet at the round table and exchange experiences.



Identification object: The German railroad and the soccer club Hertha BSC move the masses – but the Märklin fan locomotive moves the soul.

This is all about tips and tricks – acknowledged experts are there too, like Detlef Präfrock, who as the specialist for layout construction for a Berlin world in miniature planted 2000 sunflowers on an area of three hands' widths. Or indeed Fritsch, who has one of the world's largest collections of model railroad signals. There is only a small layout for running at the meet, a toporama with turntable and two circuits. "Many of us have a layout at home, but here we think of locomotives. The expression 'serious model railroader' is on all our index cards", as Rietig stresses.

MIST1 maintains close contact with other Märklin round tables, and visits are made to colleagues in Hamburg or Munich; regular visits are also made to the "table-top railroaders" in Gaggenau, naturally enough the Märklin days and the Göppingen open day. And because erstwhile member Thomas Düngefeld was transferred by the Foreign Office to Warsaw, his Polish round table PIST00

now forms another fixed node in the network. Each member's own project and individual interests encourage tangential forces, making the round table all the more important as a venue for discussions and networking. Apart from this, there is one common factor welding it all: Märklin.

Typical for this round table, there are a number of reasons for this. "In the 1960s, the Märklin railroad simply was a part of Christmas", maintains Ronneburg in social historical terms and he also stresses the quality, as his 1937 TW700 is still running with no problems. By contrast, engineer Fritsch appreciates the sounds of the mechanical switchgear "and the atmosphere of oil radiated by the warm motors". Anselm Geske, specialist for reconstruction projects, focuses on faithfulness to detail: "One feature which sets Märklin apart is the lettering on the frames, which means you don't have to restrict the cars and locomotives to using them as toys". And Rietig, author of the *Etwaige Nachrichten*, talks of flair: "As I was building a layout for the fictional Etwashausen with catenary and masts, I put my E41 which had been stored away in a packing-case for 30 years on the rails and turned on the controller; she ran - that's what I find so good about Märklin".

Text: Rochus Rademacher

Photographs: Frank Ronneburg/Sabine Zimmerling

Brief details MIST 1

History

Catchment area: Berlin/Brandenburg

Founding meeting: March 8, 2002

monthly meeting (not a registered association)

Attendance at meetings: 25 to 40

E-mail distribution list: over 100 addresses

Contact: 13409 Berlin, Germany, Sven Richter, Tel.: +49 (0) 177 / 3 30 65 65, <http://mist1.de>, info@mist1.de

Events

Märklin Mega Meeting: international round table in Berlin with over 100 participants; a follow-up event is planned for 2012

Berlin Postbahnhof: exhibition of historic model railroads, attracting 7,700 visitors in three days

75 years of Trix Express: exhibition in the German Museum of Technology

Projects

Trips: to the MIST round tables in Hildesheim, Hamburg, Munich, Poland (<http://pist00.pl>), Ruhr

Table railroad: Information-homepage all about Märklin for 00 and H0 gauge (<http://tischbahn.de>)

"Etwaige Nachrichten" (Occasional news items): humorous newspaper project about a model railroad layout (<http://etwashausen.de>)

Berlin gets up steam: trips with historical vehicles (<http://berlin-macht-dampf.com>)

Dampflokfreunde Berlin: operating and caring for historic locomotives (<http://dampflokfreunde-berlin.com>)

Berlin rapid transit railroad museum: permanent exhibition (<http://www.s-bahn-museum.de>)

Children's' model railroad: Model railroad construction with children from socially-deprived areas (<http://www.kindermodellbahn.de>)

Berlin Underworld Museum: Museum Bunker B in Gesundbrunnen subway station (<http://berliner-unterwelten.de>)

Table railroads: Traditional event in Gaggenau and in the Gaggenau Unimog Museum (<http://tischeisenbahn.de>)





Insider Round Tables

We support your »Insider Round Tables« by providing the appropriate platform.

We can however only accept addresses for non-commercial meetings of Märklin Insider Club members. We do not publish any advertising or offers from commercial model railroading clubs. Neither do we accept any liability for the correctness of any information, contents or composition and continued existence of a round table. The addresses that are published are those of round tables in existence, or of persons interested in setting up such a round table. We do not differentiate here and ask the reader to contact the person concerned for further details. Please understand that no address can be disclosed over the phone, by fax or by e-mail.

A Big Favor please:

Please notify us of any changes (moved, closed down, etc.) for the addresses given here.

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- **CH-6037** Root, Postfach 123, Märklin-Freunde-Zentralschweiz (MFZ)
- **PL-PIST 00**, Polnischer Insider-Stammtisch Warschau, Thomas Düngefeld, Tel.: +48 604/836 617, railway@duengefeld.de

Digital Info Days

Märklin Dealer for the Event	Date	Time
Germany:		
20099 Hamburg, Lange Reihe 25, H. P. A. Schellhass	09.06.2010	10 am – 6 pm
24955 Harrislee, Süderstrasse 77, Modellbahnen Trojaner	08.06.2010	10 am – 6 pm
33689 Bielefeld, Sennestadtring 15, Burkhardt Walter	10.06.2010	10 am – 6 pm
45770 Marl, Bebelstrasse 2, Modellbahnen Manzei	21.07.2010	10 am – 6 pm
51469 Bergisch-Gladbach, Mülheimer Strasse 180, Eisenbahn und Modellbau Spisla	20.07.2010	10 am – 6 pm
52372 Kreuzau, Kreuzauer Strasse 59, Drügh's Modellbahnen	09.06.2010	10 am – 6 pm
53842 Troisdorf, Hauptstrasse 176, Rocky's RC & Train Shop	10.06.2010	10 am – 6 pm
53940 Hellenthal, Prümer Strasse 55, Euro Tecnica	08.07.2010	10 am – 6 pm
56288 Kastellaun, Allee 1, Lokschuppen Forster	08.06.2010	10 am – 6 pm
57567 Daaden, Mittelstrasse 8, Modellbau Meyer	09.07.2010	10 am – 6 pm
68199 Mannheim, Schulstrasse 87, Berton Modelleisenbahn	01.07.2010	10 am – 6 pm
71546 Kleinaspach, Allmersbacherstraße 1, Modellbahnlädle Seitz	16.07.2010	10 am – 6 pm
73037 Göppingen, Reutlinger Strasse 2, Märklin Erlebniswelt	23.07.2010	10 am – 6 pm
78315 Radolfzell, Schützenstrasse 5, Spiel & Freizeit Swars	30.06.2010	10 am – 6 pm
79215 Elzach, Schmiedgasse 8, Herbert Haas	08.07.2010	10 am – 6 pm
79664 Wehr, Im Dörfle 6, Antikhof Wehr	31.07.2010	10 am – 6 pm
80335 Munich, Bayerstrasse 16b, Gleis-11	23.07.2010	10 am – 6 pm
87700 Memmingen, Schmelzgässle 3, Modellbahnen-Fundgrube	14.07.2010	10 am – 6 pm
88499 Riedlingen, Hindenburgstraße 44, Haus des Kindes Hindelang	15.07.2010	10 am – 6 pm
92286 Rieden, Hirschwalder Strasse 23, Modellbahnstube W & D	16.07.2010	10 am – 6 pm
93333 Neustadt, Kirchplatz 2, Modellbahn-Neustadt	09.07.2010	12 am – 7 pm

Ask your Märklin dealer about the break for lunch!



Pieter Willems took the Ardennes as the subject of his model layout. The layout has already won a number of prizes in his home country of Belgium.

Fascinating layouts in Altenbeken

The Z-gauge meet in Altenbeken offered some fascinating dioramas: from the agricultural machinery factory to the Schlossberg in Chemnitz. Internationally there were also large numbers of Z-gauge fans present with their treasures. We will show you some of the most interesting layouts in this and in following editions of the Insider Club News.



Major fire department task in Liependorf. Flames threaten to spread to other buildings in the historical town center. The scene was arranged by Piero Sbiroli.



Märklin surprised the visitors when this series prototype of the VT 10.5 "Senator" in Z-gauge had its first appearance in public.

New cooperation partners

As an Insider Club member, you are offered concessions by our cooperation partners. On this page we introduce new partners to you.



Odenwald Model Railroad Show

Odenwald Model Railroad show
Siemensring 9
64658 Fürth, Germany
(access opposite the Netto supermarket on the B38/B460),
Tel.: +49 (0) 1 72/6 25 25 95 (Michael Schuhmacher)
E-mail: info@modellbahnschau-odenwald.de
Homepage: www.modellbahnschau-odenwald.de

Days of opening:

April to September 2010 open every first (full) weekend and third weekend in the month: Saturday 2 pm – 6 pm and Sunday 11 am – 6 pm. Times of opening from September 2010 will be announced in good time on the Internet.

The Modellbahnschau Odenwald, the biggest public H0 model railroad exhibition for some distance around the Rhine-Neckar region, opened its doors in March 2009 in Fürth/Odenwald. On over 150 square meters of layout and 1500 meters of track, there are 160 digitally-controlled trains operational, of which more than 30 are fitted with sound and there are two camera trains transmitting live TV pictures. Several PC-controls look after some of the most interesting running and switching operations any exhibition layout has to offer, using over 820 repeaters, 330 turnouts and 270 signals. Maneuvers include: running a catenary maintenance car, overtaking on the neighboring track, steam locomotives running parallel, steam-hauled museum train with run-pasts, or a switching movement with uncoupling and automatic opening of freight cars and an ICE failure with the tunnel rescue train being brought into service and towing away of the faulty consist. In addition, there are: loudspeaker announcements in the stations, an automobile system, streetcars and announcement models which the visitor can operate. Specially for kids: in front of the layout, there is a stage so that the smaller ones can see better; theme trains; the figures of Thomas and Percy on an adventure trip, functional models, play tables with model trains they can control and a treasure hunt game with prizes.



» **Your Club benefit:** on producing your Club card, Insiders pay 5.50 euro instead of 6 euro as the entrance fee for an adult.



Spielzeugmuseum Soltau

Spielzeugmuseum Soltau
Poststraße 7
29614 Soltau, Germany
Tel.: +49 (0) 51 91/8 21 82
E-mail: info@spielmuseum-soltau.de
Homepage: www.spielmuseum-soltau.de

Times of opening:

365 days a year, 10 am – 6 pm daily / groups by arrangement

In the Soltau Toy Museum, it's all a little bit different. Not only are there many fascinating playthings distributed over three storeys; many of the replicas and special playthings may even be touched. Playing and trying out is the name of the game in Soltau. There are colorful markets, oriental towns and exotic wild-life parks. Shops, kitchens and the houses impart the visitors an impression of how we used to live. In addition, you can test your skills with spinning tops and a wide variety of ball games. There is something for the eye too: fairy-tale pictures transform almost miraculously and there are optical toys as well which show for example how the early days of the cinema must have looked. Anyone who loves models will also find value for money. Coaches, old-timer autos and naturally historic model locomotives by Märklin and Bing take visitors on a journey back into the past. Railroad history is brought to life by the "rail zeppelin", which was fast it's true, but its design caused ballast to fly from the track bed and this made it unsafe, so it never went into series production. There are various model railroads which visitors can drive, and on the games veranda, families can play the board game "Mensch ärgere Dich nicht!" ("Aggravation", "Sorry"). Day ticket for one adult 4 euro (for Insiders 3 euro), kids 2 euro (for Insiders 1.50 euro). Family-friendly entrance: parents only pay for one kid.



» **Your Club benefit:**
on producing your Club card, Insiders are allowed a reduction of one euro on the day's entrance fee for an adult, or 50 cents on that for a kid.

Märklin-Seminar program

2nd. half-year 2010

The second half of 2010 is knocking on the door now, and again Märklin is offering interesting seminars. This time it is layout construction, decoder installation and locomotive assembly. In our seminars you will learn everything of interest on your subject matter. Only a limited number of places are on offer for each course as each participant receives intensive personal tuition.

All seminars are held in German!

Registration for all seminars:

Gebr. Märklin & Cie. GmbH, Stuttgarter Strasse 55–57, 73033 Göppingen, Germany
Telephone: +49 (0) 7161/608-257 or -222, Fax: +49 (0) 7161/608-143
training@maerklin.de or instantly online under www.maerklin.de
Our conditions of registration and participation are laid out below.
No separate seminar brochure is available.

Venue for all seminars held in Germany:

Göppingen
Märklin World of Experience,
Reutlinger Strasse 2
73037 Göppingen, Germany

Accommodation may be reserved at:

Hotel Restaurant Hohenstaufen
Freihofstraße 64–66
73033 Göppingen, Germany
Tel.: +49 (0) 7161/670-0

H0: Layout planning and construction preparation (2 days)

Seminar content

- Track geometry for K- and C-track, track planning, for example arrangement of tracks in a station (also useful for staging yards)
- Providing grades on model railroad layouts, theoretical design of a track spiral and the accompanying conditions (grade, minimum radius)
- Use and purpose of an electrical ring circuit, accessories for the electrical wiring (a selection)
- The different properties of switching contacts (circuit track, reed contact, contact track), correct placement of switching contacts
- Testing solenoid articles (signals and turnout motors) in unladen condition (some practical testing)
- A short soldering course with realistic practice (soldering on various tracks)
- Installation hints and function of the braking module 72441 for the controlled deceleration and stopping of digital high-efficiency drives
- Being able to estimate the electrical demand of a layout and determine the number of transformers / boosters which will be required – examples of calculations will be prepared for this purpose

Dates

Date	No.	Seminar leader
Th./Fr., September 09/10, 2010	511 c	Rüdiger Haller
Th./Fr., October 07/08, 2010	511 d	Rüdiger Haller

- Joint consideration of outline conditions for how a model railroad layout can best be fitted into a given room. Joint planning of a model railroad layout of maximum area in a previously-designated room plan.

Aim of the seminar:

- Theoretical principles governing the proper design with the necessary components (analog and digital) of a model railroad layout

Miscellaneous:

- Each participant will receive an exclusive seminar special car on the theme of layout planning and construction preparation

Duration and cost of the training courses:

2 days: Each day 8.45 am – approx. 4.30 pm, 259 euro for Insider members, others 289 euro

H0: Loco assembly seminar (2 day)

Seminar content

- Refresher course on soldering with little practice pieces
- Systematic assembly of a class 38 from pack 26549
- Talk through the individual parts in logical sequence
- Systematic assembly of an SVT 04 diesel railcar 37774
- Talk through the individual parts in logical sequence
- Functional testing of the locomotives

Conditions:

Soldering ability is essential

Aim of the seminar:

- Assembling the individual parts of the respective locomotive in the correct order and getting to know the corresponding functionality

Dates

Date	No.	Seminar leader
Th./Fr., October 28/29, 2010	516 a	Rüdiger Haller
Th./Fr., November 04/05, 2010	516 b	Rüdiger Haller
Th./Fr., November 11/12, 2010	516 c	Rüdiger Haller

Miscellaneous:

- Pack 26549 and diesel railcar 37774 are covered by the seminar fees and belong to the seminar participants

Duration and cost of the training courses:

2 days: Each day 8.45 am – approx. 4.30 pm, 699 euro for Insider members, others 729 euro



H0: Service and inspection (2 days)

Seminar content

- Basics of soldering technique with soldering practice
- Functions of the Märklin drum and flat collector motors
- Adjusting a mechanical reversing switch
- How to oil an H0 loco correctly
- Carrying out servicing and inspection work on a class 218
- Dismantling a class 218, explaining the assemblies and finally reassembling the loco
- Carrying out servicing and inspection work on a class 74
- Dismantling a class 74, explaining the assemblies and finally reassembling the loco
- Rebuilding the Märklin locomotive for digital running with high-efficiency motors and current generation decoder (theory, will NOT be carried out in practice)
- Fault-finding made easy with doctored locomotives using the knowledge gained on this course

Dates

Date	No.	Seminar leader
Th./Fr., September 02/03, 2010	512 c	Rüdiger Haller
Th./Fr., October 14/15, 2010	512 d	Rüdiger Haller

Aim of the seminar:

- This seminar is ideal to enable you to look after and service your old locomotive better and to be able to undertake minor repairs yourself

Miscellaneous:

- Each participant will receive an exclusive seminar special car on the theme of service and inspection

Duration and cost of the training courses:

2 days: Each day 8.45 am – approx. 4.30 pm, 259 euro for Insider members, others 289 euro

H0: Decoder installation seminar (2 days)

Seminar content

The training will suit participants who want to convert analog and digital H0 locomotives to the latest state-of-the-art of systems technology with mfx decoders.

- Refresher course on soldering with little practice pieces
- All you need know about the latest generation of decoders
- Two Märklin locomotives will be retrofitted

Conditions:

- Soldering ability is essential
- The Märklin locomotives you bring with you must be in very good condition! (other makes will not be entertained)
- When registering for the seminar be sure to give details of the locomotives to be retrofitted (please give a choice of several, and

Dates

Date	No.	Seminar leader
Th/Fr November 25/26, 2010	517 a	Rüdiger Haller
Th./Fr., December 02/03, 2010	517 b	Rüdiger Haller
Th./Fr., December 09/10, 2010	517 c	Rüdiger Haller

bring these all to the seminar)

Aim of the seminar:

- To learn how to modify the Märklin locomotives

Duration and cost of the training courses:

2 days: Each day 8.45 am – approx. 4.30 pm, 499 euro for Insider members, others 529 euro

H0: Loco assembly seminar (1 day)

Seminar content

- Refresher course on soldering with little practice pieces
- Talk through the individual parts in logical sequence
- Systematic assembly of a class 38 tender locomotive from pack 26549

Conditions:

- Soldering ability is essential

Aim of the seminar:

- Assembling the individual parts of the respective locomotive in the correct order and getting to know the corresponding functionality

Duration and cost of the training courses:

1 day: 8.45 am – approx. 4.30 pm, 699 euro for Insider members, others 729 euro

Venue: Unterentfelden, Switzerland, Märklin-Vertriebs AG, Mönchmattweg 3, 5035 Unterentfelden, Switzerland

Booking information: +41 (0) 62/7 23 51 21

Dates

Date	No.	Seminar leader
Th., December 16, 2010	611 a	Dieter Lorenz



H0: Layout construction and landscape design

"Tunnel or mountain" (3 days)

"Train station" (3 days)

"Railway depot H0 diorama" (3 days)

Date	No.	Seminar leader
Wed./Th./Fr., August 11/12/13, 2010	518 a	Rüdiger Haller
Wed./Th./Fr., August 25/26/27, 2010	518 b	Rüdiger Haller
Wed./Th./Fr., July 28/29/30, 2010	519 a	Rüdiger Haller
Wed./Th./Fr., August 25/26/27, 2010	519 b	Rüdiger Haller
Wed./Th./Fr., July 28/29/30, 2010	515 a	Rüdiger Haller
Wed./Th./Fr., August 11/12/13, 2010	515 b	Rüdiger Haller

Major celebration: Centenary of the Bernina Bahn



The most important details on the centenary celebrations:

- Together with the Glacier Express, the Bernina railroad is one of the top attractions in the Swiss Alps. The 60-kilometer (37-mile) single-track railroad connects St. Moritz with Tirano in Italy, and crosses the 2,253-meter (7,392-feet) high Bernina-Pass at Ospizio Bernina station. Spectacular: the circular viaduct by Brusio (pictured) in the southern part of the line.
- The centenary celebrations take place from June 19 to 20, 2010 in Poschiavo. The depot there will be under the influence of the historic and modern Bernina railroad. Also present at the centenary celebrations: Märklin. An additional highlight: the vehicle parade "Sound&Light" at Brusio circular viaduct on June 19, 2010. Further info under www.mybernina.ch and www.historic-rhb.ch