



KÄSSBOHRERMAGAZINE

ISSUE 02 – SPRING 2018

SNOW



UTILITY



BEACH



Editorial

**LEVEL
RED**

Dear readers,

When Karl Kässbohrer founded his carriage building factory in 1893, he had a clear vision in mind. His goal was to build a trailer that was better than any other in existence at the time. He began developing technical designs with passion and with an enthusiasm for innovation. These designs achieved swift success. But instead of being satisfied with this success, he took it upon himself to brave new challenges, again and again, throughout his life.

This pioneering spirit remains tangible at Kässbohrer today. We have continually managed to set new milestones on the market thanks to our innovative solutions. Time and time again, we have adapted to new situations and reinvented ourselves. We follow our goal of staying aware of the desires and demands of our customers. No matter the sector: beach, utility or snow.

A current example is the PistenBully 600. It represents a new generation of snow groomers. More powerful, more efficient and cleaner than all others in its class. It represents the highest level of snow management: LEVEL RED. You can see it for yourself from April 18 to 20 at the “Mountain Planet” trade show in the French city of Grenoble. And on its major road show across Europe and the US. You can find the exact dates on our website.

Kässbohrer's pioneering spirit is also evident in cooperations and entirely new projects. We collaborate with external partners to work out cutting-edge solutions while making use of digitalization.



*Jens Rottmair,
Executive Spokesman
Kässbohrer Geländefahrzeug AG*

More specifically, a wide range of information is collected from ski resorts – such as ticket, weather and vehicle data – and made available to our customers via SNOWsat Analytics. This marks a milestone in digitalization for ski resort management since it has never before been possible to use enormous amounts of data so efficiently.

We look forward to treading the path that lies before us. And encountering all its challenges as well as all the possibilities that we cannot even imagine today. Let me assure you that this is the same excitement that Karl Kässbohrer felt while leaving his mark as a pioneer and market innovator. I hope you enjoy reading our second issue.

Yours, Jens Rottmair

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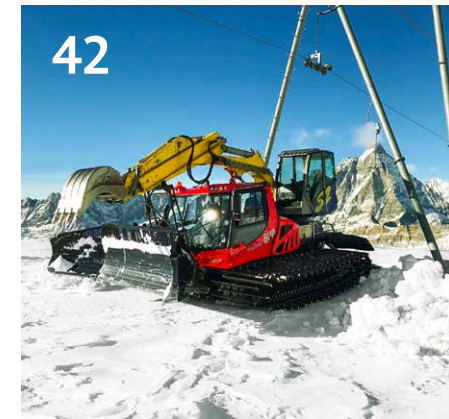
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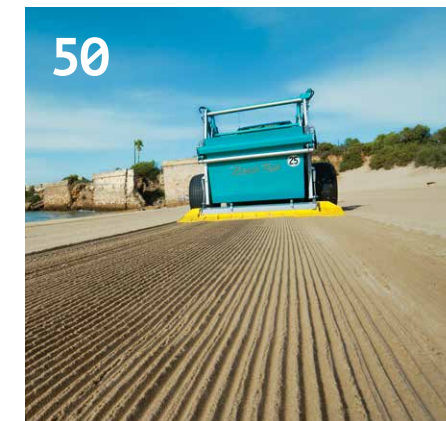
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Outright ingenious

The new PistenBully 600: Kässbohrer lighting the stage for innovation with this fundamentally new machine. LEVEL RED represents an entirely new generation of snow-grooming vehicles for snow management at the highest level. Are you ready to ride into the future?



**LEVEL
RED** 
THE NEW GENERATION

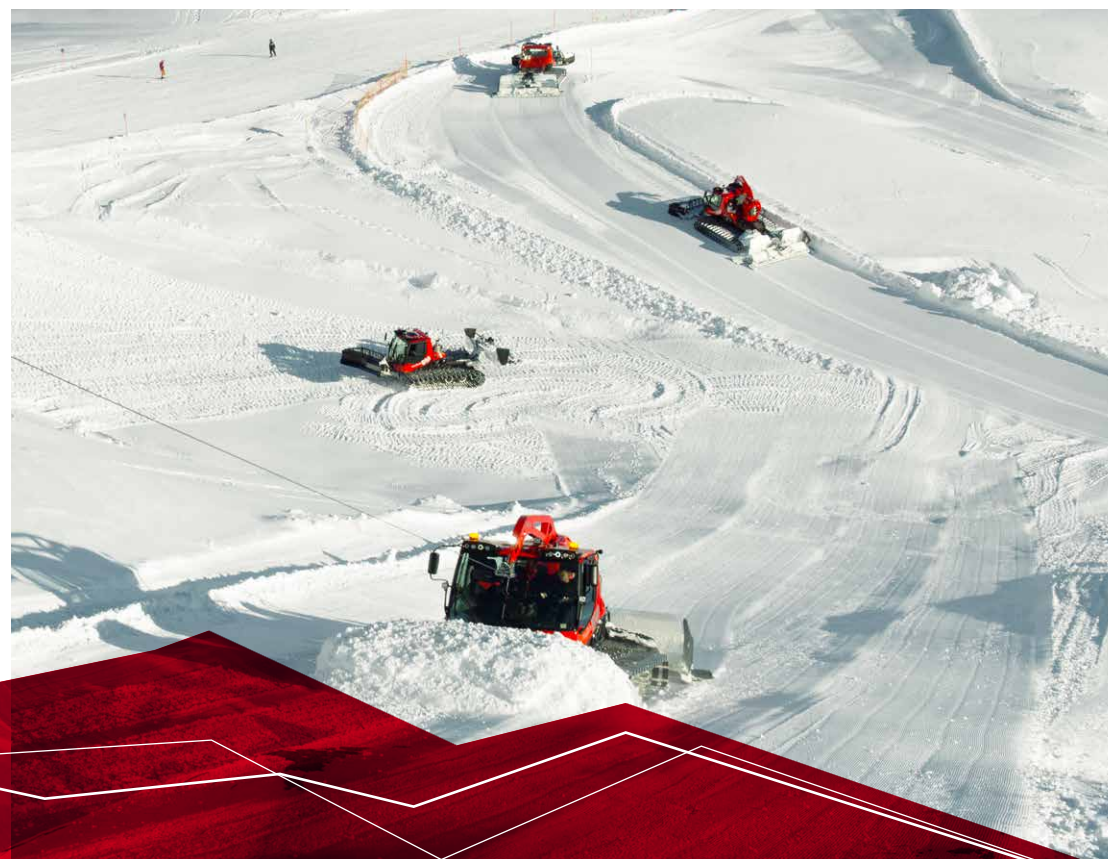
The new PistenBully 600 is already making history

Get in and head off



Full of innovations

The most recent generation of snow groomers contains all of our experience and engineering skill – in the form of a multitude of patents. Sixteen new patents to be specific!



Operation: Innovative and intuitive

Those who prepare complex slopes need to be able to stay focused at all times, day and night. This requires easy operation and maximum comfort. That's why the new PistenBully 600 has a cab with top-end soundproofing for as little driving noise as possible.

- Clearly structured, intuitive iTerminal with touch control
- Ergonomic joystick for four simultaneous movements of the blade
- Convenient one-handed control of all attachments
- Standard comfort seat with integrated armrest
- Minimal driving noise in the cab thanks to improved sound proofing
- Optimized cab design for maximum safety (14.5 t ROPS)



"My personal highlights: the quiet cab, the ergonomic driver's seat and the joystick control system."

Henrik Volpert, Chair of Oberstdorf Kleinwalsertal Bergbahnen



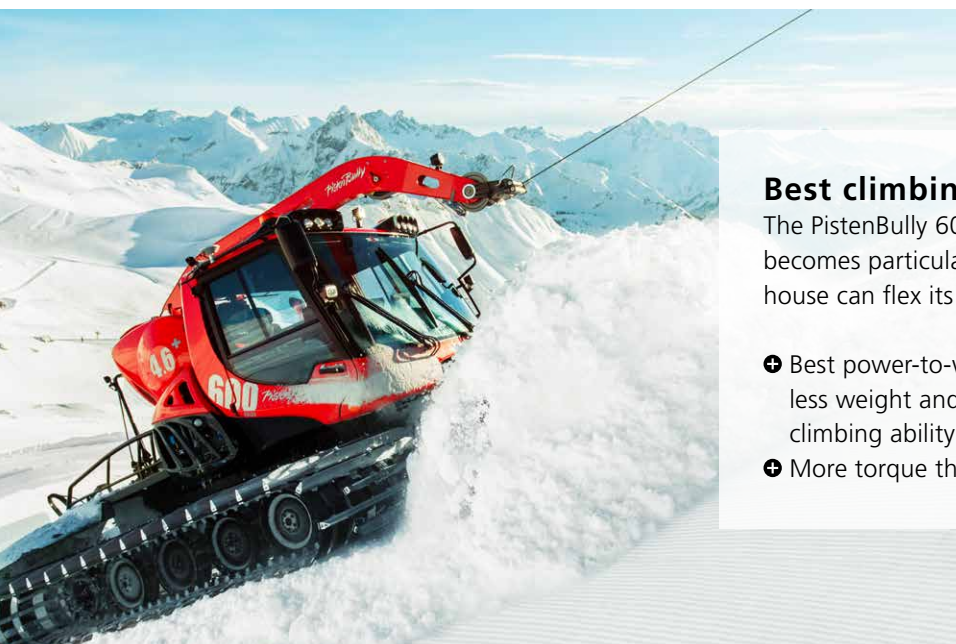
Most environmentally friendly snow-grooming vehicle on the market

It is loaded with 16 patents and proves that conserving resources and excellent performance do not have to be mutually exclusive. The PistenBully 600 is more powerful and more sustainable. It is the first snow grooming vehicle on the market that meets the requirements of the EU V exhaust standard.

- ⊕ High-performance engine with diesel particulate filter
- ⊕ Simply designed, easy-to-maintain engine for availability
- ⊕ Less noise thanks to a quieter engine
- ⊕ Increased operating range thanks to a larger tank and reduce fuel consumption
- ⊕ Relaxed and fuel-efficient driving thanks to cruise control

"The high quality and performance no longer surprise me. We became accustomed to Kässbohrer's high standards long ago."

Piotr Czaja, Technical Director, Kotelnica, Poland



Best climbing and pushing performance

The PistenBully 600 makes a strong impression. This becomes particularly evident wherever the agile powerhouse can flex its muscles: in all the key performance data.

- ⊕ Best power-to-weight ratio in its class: less weight and higher power coincide for highest climbing ability and pushing performance
- ⊕ More torque than its predecessor



Preparing slopes with greater ease

Electronic assisting systems simplify work for the operator in many situations. In the new PistenBully 600, they have both been optimized and expanded in clever ways. This results in more safety, efficiency and driving comfort.

- ⊕ Auto Tracer: Active steering support, automatic yaw compensation on the slope
- ⊕ SNOWtronic: Smart implement carrier control; rear attachment carrier to be used as a combined carrier or parallel implement carrier, extensive range of movement, simplified operation
- ⊕ Automatic control of the winch pulling force: One-of-a-kind and infinite 360° rotation of the winch without twisting the cable

www.level-red.com

Dimension SlopeX

Slopestyle and snowboard cross merge together

AUDI NINES – a new dimension

Over the course of nine years, this series of events has been continually reinvented. First it was a competition among the “Knights,” followed by the “Queens.” And then the 2017 competition finally combined the two categories under the name “Nine Royals.” In 2018, athletes from ski cross and snowboard cross were brought together, giving yet another dimension to this format. The Nine Queens repeat winner and Pistenbully athlete Lisa Zimmermann is taking part again. She has been very excited about the new event.

A revolution: The SlopeX course

Combining slopestyle and cross into a single course is one of the most significant ways in which the event has evolved. The SlopeX concept combines the best elements from both disciplines: speed and creativity. A group of slopestyle and cross athletes developed the features and course layout back in October.

Nico Zacek (third from left) and his team received help in planning the SlopeX course from the slope-style and snowboard cross athletes themselves – Daniel Bohnacker (second from left).



New location: Sölden, Austria

The event took place in Sölden for the first time ever – on the Tiefenbach glacier. The shape of the slope and the existing snow embankments provided the experienced Schneestern team with the ideal foundation to build the perfect SlopeX course with their PistenBully 400 ParkPro machines.

Daniel Bohnacker is excited about collaborating with AUDI NINES, “Nico Zacek invited us to the Audi Nines Workshop so that we could design the SlopeX course exactly the way we wanted. Together with the freestyle athletes, we decided how the various features could be combined into one course. As a racer, I naturally placed my focus on high speed and lots of air time.”

Skiing at the limit

*Cinematic world
record attempt*

One, two, three, four, fi... It takes about 4.5 seconds to say these words. That is about the same amount of time that freeskier Paddy Graham was airborne.

A simple kicker was not sufficient for this attempt at the world record in Mottolino as part of the documentary "Same difference." An outstanding jump was necessary. Planned, calculated and set up by Schneestern, it took almost 4 weeks to put together this one record-breaking kicker using four PistenBully vehicles: 58 meters long, 31 meters high and with a volume of 100,000 m³ of snow.

It cannot get any steeper

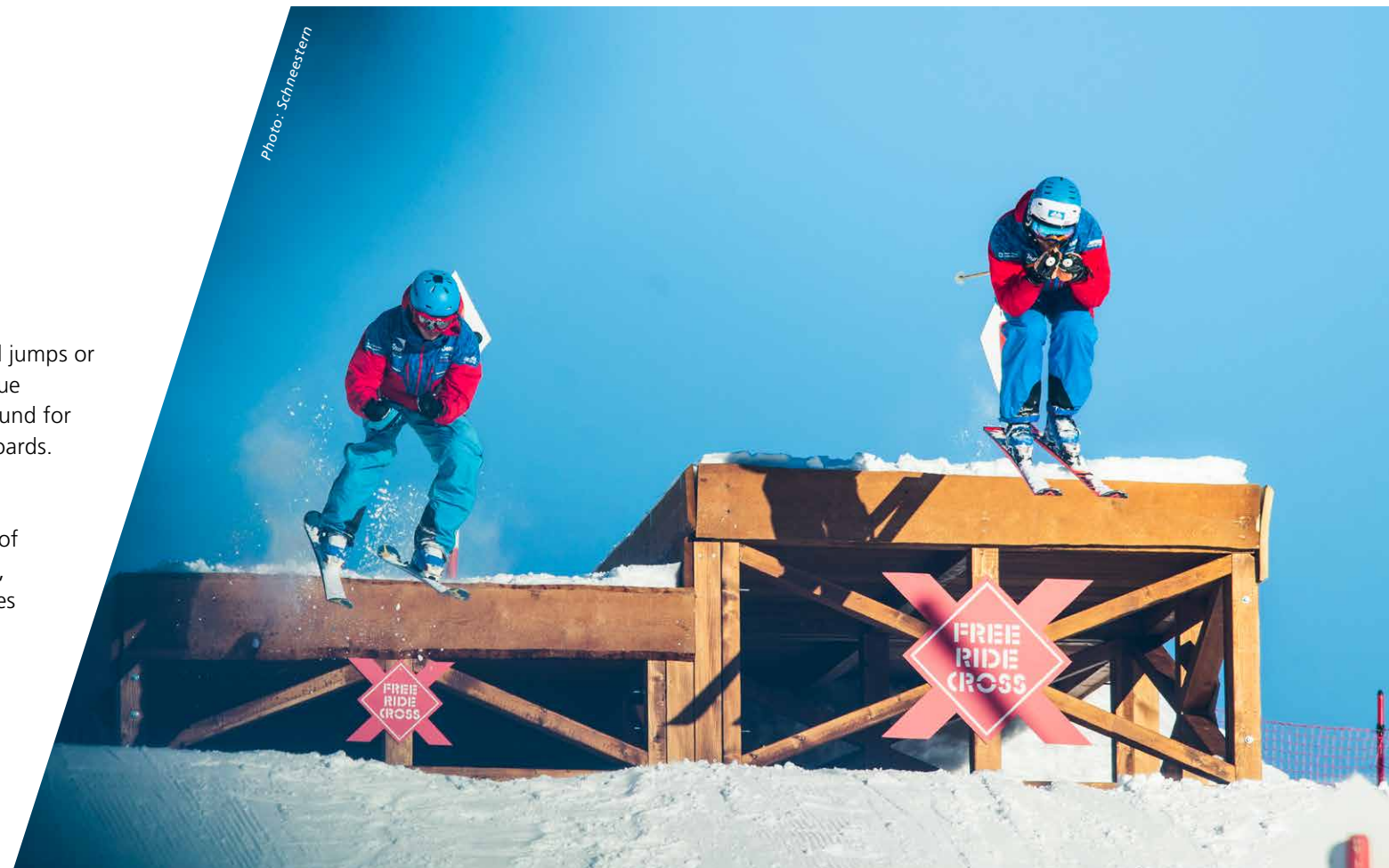
This type of project requires years of experience and precise calculations. After all, freeskiers racing towards the take-off zone at more than 100 km/h need to be able to rely on the perfect kicker, the optimum ballistic curve and the ideal touchdown in every respect. A challenge not only for Schneestern but also for the PistenBully machines. The crazy inclination of the landing site – 47.5 degrees – also put our Reds to the brink and was only possible with a PistenBully 600 W with active winch. A steeper slope has never been groomed before – a stress test for human and material alike.

Even more impressive than facts and figures is the movie of the record attempt, "Same difference," which can be viewed online.

www itunes: movie/same-difference

Freeride cross – that means banked curves, rapid jumps or flowing wave courses. Together they make a unique cross-like course that provides the perfect playground for young and old adrenaline junkies on one or two boards.

Schneestern has taken up this idea with astonishing success and has paved the way for a new generation of cross courses combining elements oriented on freeride, freestyle and entertainment. Banked curves, drops, boxes and tunnels with sound and light effects promise lots of flow, fun and entertainment.



A new generation of skiing fun!



Freeride cross is action right in the ski resort and yet away from the conventional slope!

Freeride cross

*Made by Schneestern and PistenBully:
an exciting emerging market*

New offers come with new challenges

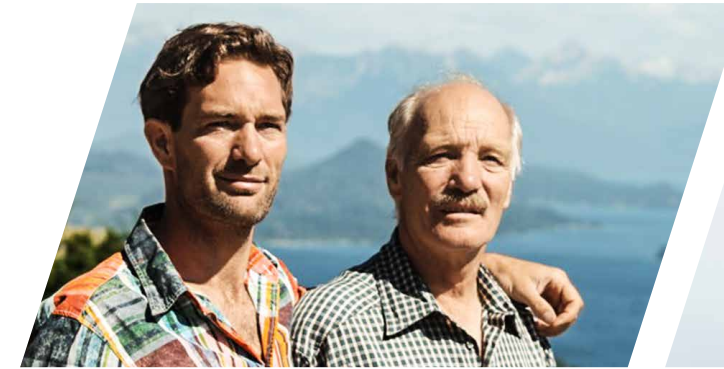
The question is how can owners set up courses like this at their own ski resorts. The right expertise and high-quality equipment are essential. Quite a few things also have to be taken into account when constructing a freeride cross course after all – from the selection of the terrain to the actual preparation. Schneestern and PistenBully are happy to support forward-looking skiing resorts in these efforts. Together – with the right groomers in the right machines – they ensure that ski resorts throughout the world are upgraded for the exciting emerging market surrounding freeride cross.



The Cerro Catedral skiing resort in Argentina has 120 kilometers of slopes and is one of the largest skiing resorts in South America and home to several internationally known freestyle events. A 3,000 m² snow park offers freestyle fans everything for more action and adrenaline. This is also where some national teams train. Last year, for the first time, Catedral was the location for a FIS Snowboard Cross World Cup. The challenging course has been built by one of the best: Philippe Gilliot from France, one of the most experienced freelancers in ski park design anywhere.

"Red just looks best in the snow!"

Philippe Gilliot



Nicolas Pérez, Raúl Pérez



Philippe Gilliot

Over the top

The Snowboard Cross World Cup held there was one of the highlights – it was the first in all of South America. "This is just the beginning," Philippe promises. The ski area is optimally equipped – around 20 total PistenBully machines are in operation here. "I can really let loose here! And my PistenBully makes it even more fun." A PistenBully winch has been specially adapted to fit Philippe's requests and suggestions. "It is perfect for pushing large quantities of snow. It enables me to build the craziest and most original features. With its precision, it is the perfect vehicle for that final touch. Without the PistenBully, there are some requirements I wouldn't be able to handle at all."

Philippe Gilliot

...grew up in a PistenBully, so to speak. When he started working as a PistenBully driver at age 14, he was not yet allowed onto the slopes at night. That is why his father, Ski Area Manager at Les Arcs in France, assigned him the special task of working in the entirely new area of parks. He got straight to work (during daylight hours!) and is now considered one of the experts in park construction. Philou, as he is known universally, travels throughout the entire world and has worked with all major teams, such as SPT and Schneestern. He is often called upon when extreme parks need to be constructed for events and otherwise. He is also booked regularly by the German ski movie production company, "Legs of steel." For example, in Mottolino, Italy, when going for the world record for "Longest air time." There, he faced the challenge of confronting the largest kicker of all time – on the steepest landing with an angle of 47.5°. The awesome landing was built by Philou and it can be seen on the big screen in "Same difference" (see p. 11). "In most cases, what I build is unprecedented," he says with a modest smile.

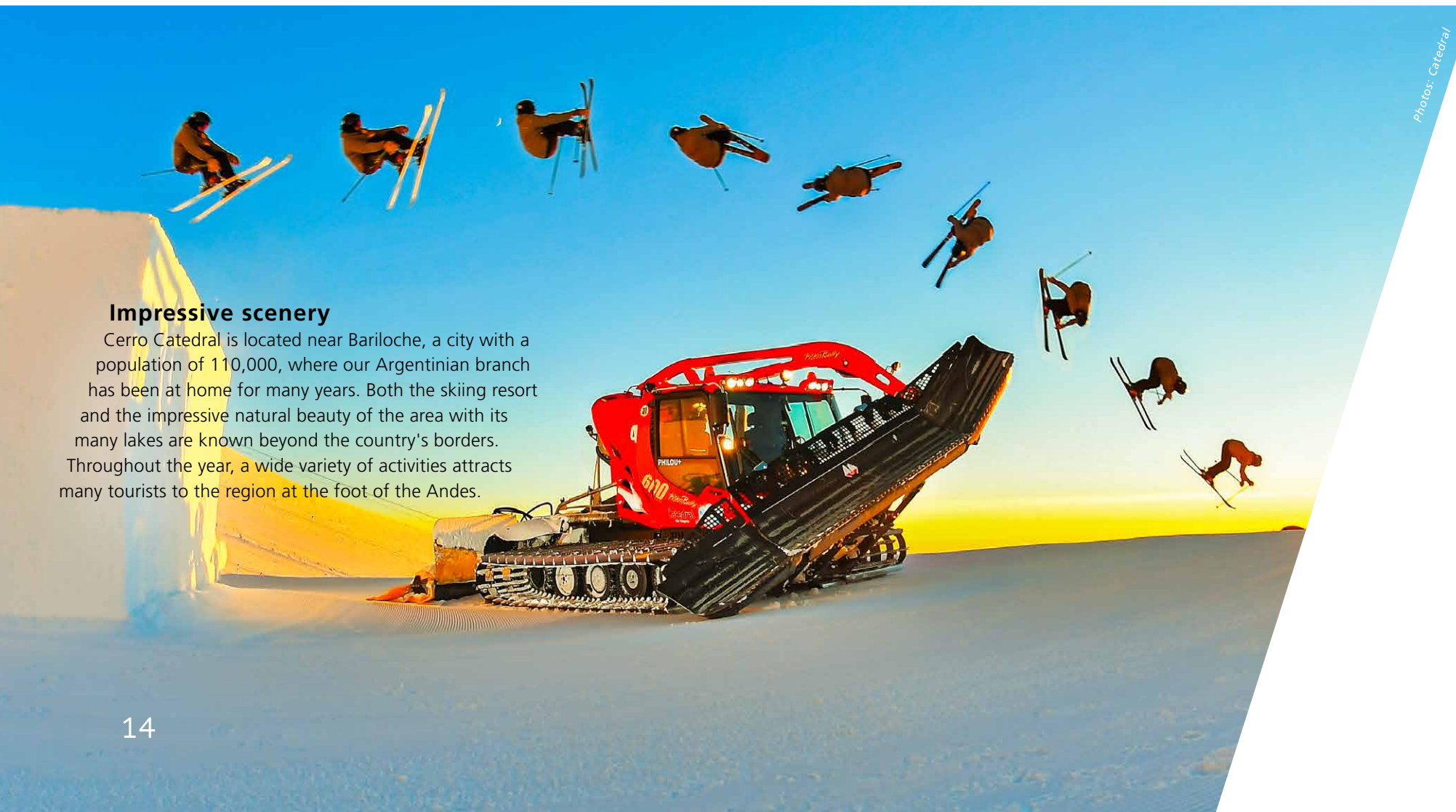
Strong representatives

PistenBully is represented in Argentina by two full-blooded PistenBully men: Raúl Pérez and his son, Nicolas. Raúl has been working to establish the sales and service station and ensure its growth since 1982.

Impressive scenery

Cerro Catedral is located near Bariloche, a city with a population of 110,000, where our Argentinian branch has been at home for many years. Both the skiing resort and the impressive natural beauty of the area with its many lakes are known beyond the country's borders. Throughout the year, a wide variety of activities attracts many tourists to the region at the foot of the Andes.

Photos: Catedral

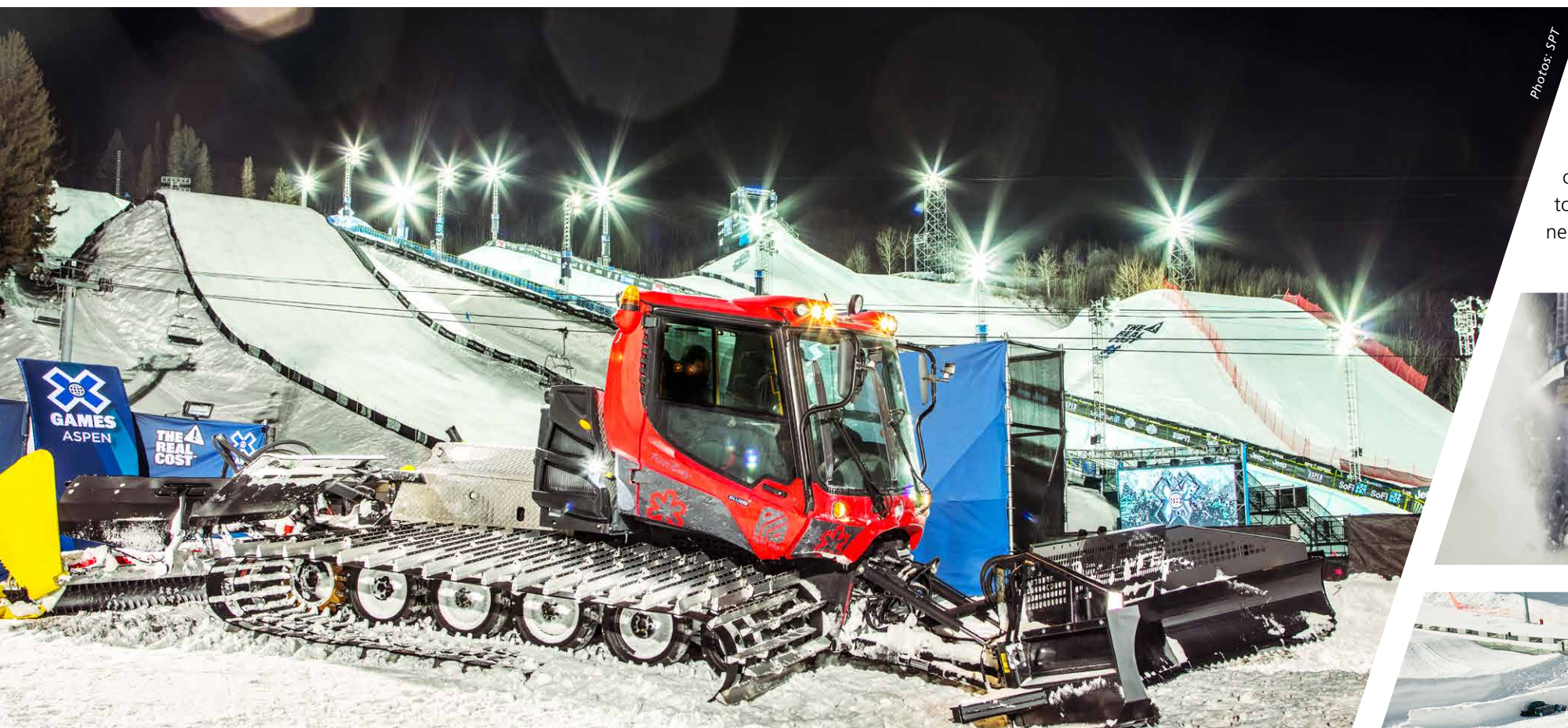


Freestyle

Freestyling at the foot of the Andes in absolutely amazing natural surroundings



www YouTube: "Legs of steel"



Photos: SPT

Motorcyclists welcome!

A first-time participant with a new event: Harley-Davidson. On especially rebuilt HD sportsters, pairs of riders race up the 18° incline of the SuperPipe next to each other, reaching top speeds of up to 130 km/h. It is all about nerves of steel.



Mike Binnell, SPT Project Lead



X-Games

SPT® and PistenBully build the coolest parks for the X Games

"In the history of the Winter X Games the setup of the courses has never gone as smoothly as it does now. We owe this to a considerable extent to the excellent equipment and support from the PistenBully team. We are very happy with our successful partnership."

Mike Binnell, SPT Project Lead

January 2018. Buttermilk Mountain, Aspen, Colorado. The best extreme athletes in the world have gathered here for four days. Skiers, snowboarders, freestylers, snowmobilers and snowbikers seek to defy gravity and demonstration that there are no limits on snow and ice.

Go for gold!

Those who participate in the X Games have a determination. They want to dazzle spectators, break records and write sports history. The most important event in action snow sports is the perfect stage for this. The event is rich in spectacular features: BigAir, Slopestyle, SuperPipe, Best Trick, Freestyle, SnoCross, SnoCross Adaptive and Snow Bike Racing, Snow Hill Climb – it is all there. And everything is prepared perfectly. Thanks to the expertise of the two partners Snow Park Technologies (SPT) and PistenBully.



Preparation of the freestyle course for snowmobiles

Tools for professionals

Challenging terrain and tight deadlines. A working day can easily extend to 12 to 16 hours under these conditions. All the same, every effort requires peak performance. Perfection is possible because the grooming professionals from SPT can fully rely on their fleet from PistenBully in special park and winch variants. During the construction of world-class courses, their extra pulling-force, climbing ability and implement range of motion all shine through. It helps that they are comfortable.

A PistenBully is more than a slope-grooming vehicle. It is unique.

Special prices for spare parts and service

As part of our summer promotion, our customers now receive service and original parts at exceptionally low prices.

Original parts provide the highest quality, absolute reliability and top-notch service. They help ensure your PistenBully remains at the high performance level we envisioned when designing it. Even if it may have gone through a few years of service already.

One track, five patents and advantages galore: our 7-belt CombiPlus track

The engineers at Kässbohrer develop tracks of the highest quality. The great universally usable model among them is the 7-belt CombiPlus track with the best climbing ability and pushing force on the market. Perfect for the PistenBully 600 series.

The most successful track in the world

It is always perfect for the job – on steep slopes and under any snow condition. It features a combination of materials – a light aluminum bar and a high-strength cutting edge – designed for the very toughest requirements. It is no surprise that the 7-belt CombiPlus track is the best-selling track type in the world.

Quality

Obtaining the highest performance. Under the harshest conditions with extreme loads. This is the task set before a PistenBully. Our OEM-quality original parts ensure that this tough task is accomplished. Every time.

Safety

A PistenBully is a tool with power. It has to function perfectly in every situation. Original parts ensure that you can depend on that functionality without a doubt. Each part has been examined in detail and offers absolute safety, extreme reliability and outstanding durability.

Service

Working with spare parts involves more than just the part itself. It involves expert. Advice delivered at lightning speed. A partner who is there when needed. All this comes with an original part from PistenBully.

SUMMER PROMOTION 2018

**1ST APRIL TO
15TH SEPTEMBER**

Now it is your turn! In the shortest amount of time, we will deliver our original parts to even the most remote places on earth. All you have to do is to contact our service hotline. It is open to you 24/7.

Our services make you a customer. The whole package makes you a fan. Welcome to the PistenBully family.

www pistenbully.com



On the way up

The skiing industry awakens in China

From left: Ali Li, David Johansson, Chris van den Berg, Alex Tang, Ethan Liu, Alice Sun

The 2022 Winter Olympic Games in Beijing are still four years away, but winter sports are already booming in China with no end in sight. Looking towards Beijing 2022, the Chinese government is pushing winter sports as a Chinese dream. The skiing industry in China is literally flourishing.

A “modern” ski industry has been in existence in China for about twenty years. It all began with a handful of small ski resorts that had never heard of snow grooming or snowmaking. A lot has happened since. Now China has over 600 ski locations, but they are completely different from what you might expect in Europe or North America. About 500 of the “small” ski areas could also be called snow playgrounds – without ski lifts and snow grooming, they are often even located in the middle of large cities. About 100 ski areas operate small ski lifts.

About 60 large ski areas are able to keep pace with international standards. The government has great plans for the winter sport industry. Huge figures are circulating about new skiing areas and millions of winter sport athletes. Rest assured that a lot will happen in the Chinese ski industry within the next four years!

With its high-performing service structure in China, Kässbohrer is making a crucial contribution to meet the local customer demands around the clock.

Photo: fotolia / link drop

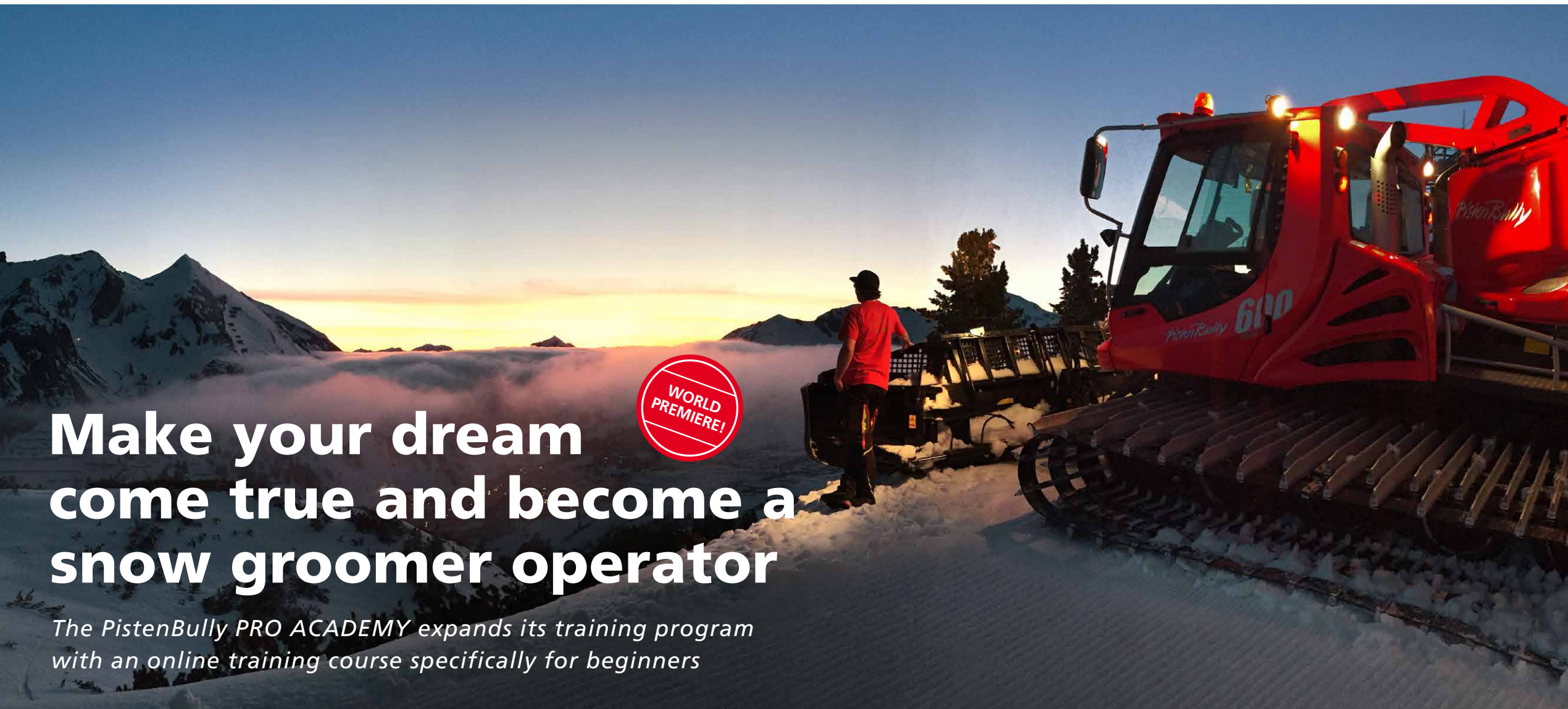
New service center in Beijing

Kässbohrer Geländefahrzeug AG has been part of it from the beginning. Thirty years ago, we delivered the first PistenBully vehicles in collaboration with Melchers (Beijing) Ltd. to the Polar Research Institute of China. Since 2013, Melchers of Beijing has been operating a service center for stocking spare parts and smaller repairs. Looking ahead to the 2022 Winter Olympic Games, Kässbohrer and Melchers have responded quickly and have a new service center covering a total area of approximately 1,700 m². The service center is complete with a full workshop, classrooms for training and education, office and storage space and meeting rooms. Eight employees are available for everything relating to sales, technical support, stock and administration. This provides our customers with convenient all-inclusive services.



Go East: The FIS Course Builder & Designer Clinic

Interest in the park has seen tremendous development in recent years; it has become an important emerging market – even in Asian ski resorts. The first edition of the FIS Course Builder & Designer Clinic came about from this trend. For three days, all activity on the Chinese ski area of Genting Resort Secret Garden was centered on how to build a park. PistenBully provided support with equipment and interesting presentations. More than 60 participants gathered information on the most recent developments in design, planning, construction and safety of professional parks in theory and practice. One focus was the PRO ACADEMY, which was particularly helpful in the effective construction of snow parks and skicross slopes. As was SNOWsat, which creates digital models of the snow park and skicross modules as a basis for reproductions in the field. Details on snowmaking rounded off the series of presentations. To be continued...

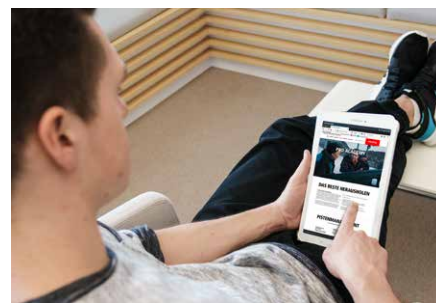


Make your dream come true and become a snow groomer operator

The PistenBully PRO ACADEMY expands its training program with an online training course specifically for beginners



*Florian Profanter,
Director of the
PRO ACADEMY*



*Flexible, independent learning at any
time and anywhere.*

*The world's first online academy
for snow grooming –
made by Kässbohrer*

Demand for skilled specialists in the area of snow grooming is growing globally. But the "classic" courses do not appeal to everybody interested in training. There is a trend towards greater flexibility, time management and towards short learning units that can be integrated into everyday life – no matter where the learner happens to be at a given time. What could possibly beat creating a PRO ACADEMY online training course for beginners?



Register here:
proacademy.info

Entering the world of a snow groomer operator

If Florian Profanter had his say, the PRO ACADEMY would be everywhere snow groomers are in use. As the academy's director, he believes that snow groomer drivers benefit from a top-level education in every respect. But what can be done if one-on-one support is not possible in every skiing area? The solution: simply pass on theoretical knowledge digitally. Over a user-friendly, web-based learning interface. After all, practically everybody owns a smartphone, tablet or computer.

Different slopes for different folks

The tasks of the PRO ACADEMY are exciting and cover many facets: Not only does it have to overcome language barriers and international date lines. It also must take into account the country-specific ways of snow grooming. In this way, Europe, Scandinavia, Russia, North America, Asia and the southern hemisphere will be provided with important content using state-of-the-art learning technology.

Online training "Snow grooming for beginners"

Each individual on our PRO ACADEMY team contributes extensive practical experience in snow grooming. For example, as former technical director of a ski area or as snow groomer operator at the Olympic games. Altogether, the PRO ACADEMY team commands a wealth of knowledge and is more than happy to pass it on. The manufacturer-independent training courses for beginners can be accessed at any time. They provide basic knowledge about vehicles, drivers and slopes. The course content ranges from the technical workings of a snow groomer through its correct operation. It teaches efficient driving style that treats machine and environment gently and safe handling of the vehicle are notable focus areas. It is quite similar to the theoretical courses in driving schools.

Who is the target group of the online beginner courses?

This theoretical training puts anybody looking to work as a snow groomer operator in good hands. This lays the foundation for a professional career. After successfully passing the exam, the participants obtain a certificate that qualifies them for continuing practical training. But men and women who are just enthusiastic about snow groomers or who want to refresh their existing knowledge are also in the right place here. Are there even more plans for the PRO ACADEMY?

Yes, Florian Profanter and his team would like to offer the training program for beginners as well as for more advanced candidates in the future. Let's see what the future will bring!

Cortina's Sense of Snow

High-speed slopes for downhill races up to

130 km/h

We have accompanied Florian Profanter of the PRO ACADEMY to Cortina d'Ampezzo where he has advised the World Cup team during preparations and grooming of the "Olimpia delle Tofane" for the women's downhill and Super G races.

Basic structure of the racing slope

The preparation of a racing slope means major challenges for those responsible. During the competition, the slope must be extremely solid to make sure that the race is fair for everybody. Reaching a high snow density and hardening the snow is very labor-intensive and requires quick decisions at the right moment. The work must be timed and coordinated with the prevailing/predicted weather. To increase the snow density even more at certain critical points, water is added to the snow cover. A properly implemented, uniform basic structure reduces the use of water for snow hardening to a minimum. Less water causes fewer icy patches.

Then the racing slope can be restored to use as a commercial ski slope with only little effort after the competition. A positive side effect: less water costs less money and maintains the natural consistency of the snow!

Previously, the snow was watered manually using water hoses. In St. Moritz, an injection spray bar has been developed and designed for the racing slopes for the World Cup and attached directly to the machine instead of the clearing plow, all for the first time. Its subsequent use was a success as well. This way of distributing water is more uniform, targeted and saves more water than any other. This method has now been put into use in Cortina. The PistenBully with the injection spray bar drives slowly over the slope, which has been roughened using a steel tread. It takes many hands and a great deal of force to drag the heavy hoses across the mountains. A job for real tough guys!

It's great to spend a cozy Sunday afternoon sitting in front of the TV, casually watching some Alpine Skiing World Cup coverage. But do you know how much effort went into creating those two hours of excitement? To ensure that the racers reach the finish line as safely as possible at speeds above 130 km/h, a perfectly prepared slope is what is most important.

A matter of minutes

The 100 percent slope

The task takes experience and finesse. Race Director Francesco Ghedina, Slope Manager Denis Constantini and Nicola Bonora, who is responsible for line management, are familiar with the snow: "In addition to wind conditions, the primary critical factor is the temperature. The ideal conditions are a little wind and a few degrees below zero. If it is too cold, the snow hardens too fast and turns into ice. Fortunately, we have perfect conditions today." The PistenBully draws its first tracks, but the result is only 99 per cent, not the expected 100 percent. Florian Profanter exchanges information with the Cortina team, they talk shop and try out different things. "The snow is still a little too soft – it needs another ten minutes," sounds the decree. "Especially during final tilling, the critical factors are the correct setting of the tiller and the driving speed. If the ideal values for these are not selected, a lower-quality tilling pattern and inadequate packing may result," Florian Profanter explains. The process of the snow becoming harder is visible – ten minutes later, the first track is in place. The driver doesn't get a break now – taking advantage of the ideal consistency of the snow is crucial. Snacktime will just have to wait!

Dusk slowly approaches until the slope section is finally finished. No one will touch it until shortly before the race a week later. The race line is not defined until three days before the competition. Nicola is responsible for this. After test drivers have mapped out the course, he "paints" the blue lines in the snow.



"The challenge we're expected to complete by the 2021 World Championships is to put together a team of competent pros for perfect preparation of the racing slopes. Support from the PRO ACADEMY is one of the most fundamental steps for reaching this goal."

Adolpho Menardi, Sport Department Manager di Cortina 2021



*Nicola Bonora and Florian Profanter:
A meeting of experts – where
everyone can learn something.*



In the first part of the special training, the team from Cortina gained theoretical knowledge about the evolution from a green field to a perfect racing slope. The second meeting involved testing out a variety of techniques and handing out information about safety during preparation. This is very important because many vehicles drive through the area, hoses are everywhere and many people are on the job. The third day of the training was devoted to practical use during live preparation.



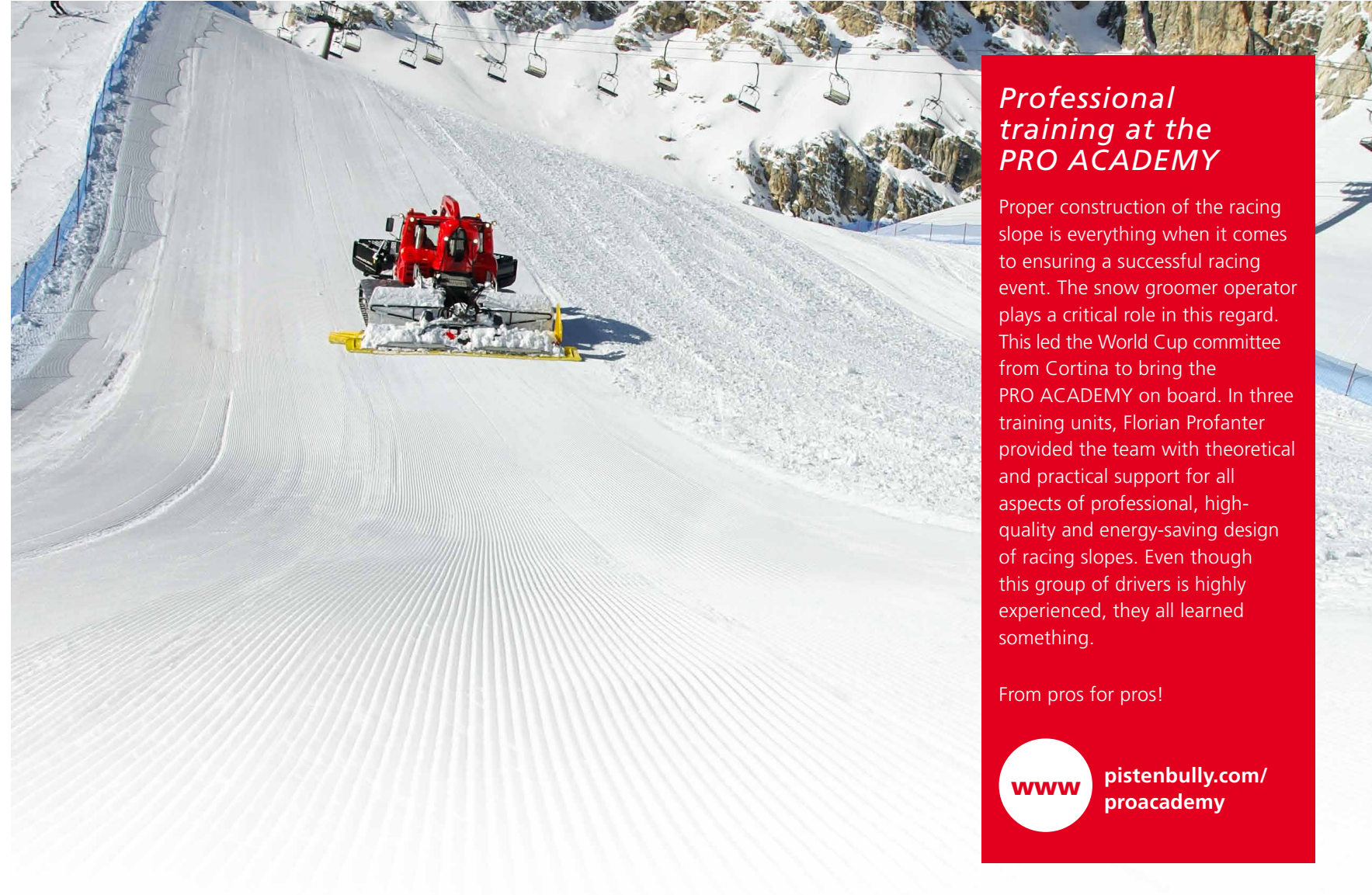
The customized injection spray bar has been developed and designed by a special World Cup team.



Despite the powerful implement, a large amount of manual labor is necessary.



Massimo Zardini knows the ski area like the back of his hand. After all, he grew up in the ski area and has been a slope manager there for 30 years. By the way, he has always worked with PistenBully. For the World Cup, he is always eagerly consulted. He was also involved in the racecourse training. "When you're an old hand, you reach a point where you think you know it all. But Florian taught us a lot of interesting things, for example about the consistency and behavior of snow. You always learn something!"



Professional training at the PRO ACADEMY

Proper construction of the racing slope is everything when it comes to ensuring a successful racing event. The snow groomer operator plays a critical role in this regard. This led the World Cup committee from Cortina to bring the PRO ACADEMY on board. In three training units, Florian Profanter provided the team with theoretical and practical support for all aspects of professional, high-quality and energy-saving design of racing slopes. Even though this group of drivers is highly experienced, they all learned something.

From pros for pros!

www.pistenbully.com/proacademy

Processing the racing slope shortly before the race

This time, they got lucky and had perfect weather. Frequently, the organizers' plans are thrown into chaos by snow that falls shortly before the races. If it is only a little snow, it is a relatively easy process for the "Rutschkommando" (as it is affectionately known) to remove it from the slope that is ready for the race. It gets tougher if the amount of the freshly fallen snow is more than 10 cm. These volumes of snow demand the use of snow groomers. Working very carefully, the snow groomer scrapes the new snow off the already hard substrate and gently exposes the surface of the snow without damaging it. Otherwise, potholes or cracks in the slope may result.

Large-scale project for World Cup

The race was a complete success, and not just for Lindsey Vonn and Lara Gut. Cortina's World Cup team can also look back on this event with pride. More than 5 million spectators in 24 countries have followed the races. For preparation of the slope alone, 50 helpers and 7 PistenBully machines were at work for two weeks, preparing the slope segment-by-segment in 4 teams. The Super G was the 99th World Cup race in Cortina. We're already looking forward to the one hundredth!

The result – a World Championship slope.



Summit in Kvitfjell

Participants in SnowExpertDays 2018

PRO ACADEMY conquers Scandinavia

At SnowExpertDays 2018 this year, managers of many Scandinavian ski resorts met once again to learn about the latest innovations in snowmaking and efficient slope preparation. Because the only way to guarantee excellent slopes is with optimum snow conditions and perfect preparation.

Antra A/S, our Norwegian representative, had invited them to Kvitfjell this time together with TechnoAlpin. Close to 50 interested persons from more than 20 ski resorts – including representatives of the Norwegian skiing association – answered the call. They came from both the alpine and cross-country skiing sectors.

And there were a few things to learn: Wolfgang Hanni from TechnoAlpin explained the importance of artificial snow and its quality. Odd Ivar Hemstad, PistenBully salesman at Antra A/S, gave a comprehensive overview of the possibilities of SNOWsat.

Presentations by two experts from the industry proved especially noteworthy: Geir Olsen, an experienced consultant in the snowmaking sector, talked about the importance of ideal snow production in his presentation

“Masterplan of Snow” studied with best-practice examples relating to snow farming. He provided input on how to reliably ensure a profitable skiing operation.

*Close collaboration between
snowmaking and snow grooming
contributes to the best possible
success in skiing operations.*

PRO ACADEMY director Florian Profanter, in his presentation focused on real-world applications, talked about the proper basic structure of a ski slope and efficient and sustainable slope preparation. After all, different snow conditions and different situations call for completely different procedures.

The second edition of SnowExpertDays was another complete success. All of the participants had the chance to learn and exchange a lot of interesting information and to network. To be continued!

Award-winning!

*2018 marks the fifth awarding of the
“Trophée de l'Eco-Damage”*

Every other year, our French subsidiary, Kässbohrer E.S.E., together with the Domaines Skiabiles de France (DSF) and the Mountain Riders, honors ski areas that apply procedures and measures particularly friendly to the environment.

Actual contributions to environmental protection

Even though the technology of slope preparation and grooming has already set high standards, it continues to advance further. At the same time, ski areas are dedicated to environmental protection and sustainability more than ever before. Sensible handling of resources takes on enormous significance in this context. The “Trophée de l'Eco-Damage” honors the most promising initiatives of comprehensive slope grooming. In advance, the following areas are evaluated:

- Workshop: Waste sorting, type of heating, recycling options, etc.
- Machines: Equipment, consumption inspection, processing, post-processing systems, etc.
- Drivers: Education, driving style
- Ski resort: Strategic decisions, certification, management

Using a questionnaire, the participating ski resorts present their specific actions. The panel then selects three companies based on strict criteria and the examination committee comes to visit their locations. Its goal: To scrutinize the individual concepts on site.

In the end, a special honor is bestowed on the winner of the “Trophée de l'Eco-Damage” on April 20, 2018: The winner receives the coveted award in a ceremony at the Kässbohrer booth at the Mountain Planet trade show. Visitors of the trade show also benefit from the event. They can gather comprehensive information on the initiatives of the three finalists.

The following participate as supporters:

Pierre Lestas, President of Domaines Skiabiles de France (DSF), Bernard Pascal-Mousselard, President of l'ADSP and Camille Rey-Gorrez, President of the Mountain Riders.

Award ceremony for the 5th

“Trophée Eco-Damage”:

Friday, April 20, 2018 at 11:00 AM

*Kässbohrer booth – Mountain Planet
trade show, Grenoble, France*



Les Saisies ski resort was the winner of the Trophée in 2016 – here, at the award ceremony together with Didier Bic, Managing Director of KESE (4th from left).

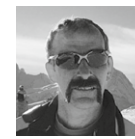
Kässbohrer has been the dependable partner for ski resorts for almost 50 years. This, of course, also applies to SNOWsat. We continue to refine the product in order to make it possible for our customers to operate their ski resorts efficiently and to offer skiers the perfect slope experience! To ensure this, we have more than 35 SNOWsat experts around the world who are always ready to provide our customers with advice and support.

We never run out of ideas

*A system that continues to be refined:
SNOWsat is once again entering the upcoming
season with new features*

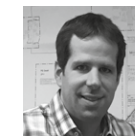
We proudly present: SNOWsat 2018

Together with our customers, we have pushed the development of SNOWsat another step forward. The new features have been tested this winter and will be available beginning with the next season.



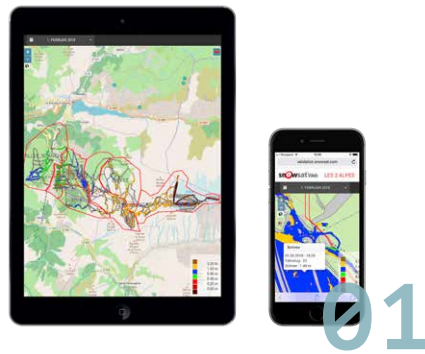
Walter Reichenbach
Director of slope and rescue
service, Bergbahnen Destination
Gstaad (BDG), Switzerland

"Besides SNOWsat, we have also updated our snowmaking approach and acquired a state-of-the-art digital wireless communication system. This 'digital revolution' will provide more efficiency, safety and sustainability on the ski slopes. SNOWsat in particular makes the workflows much easier."



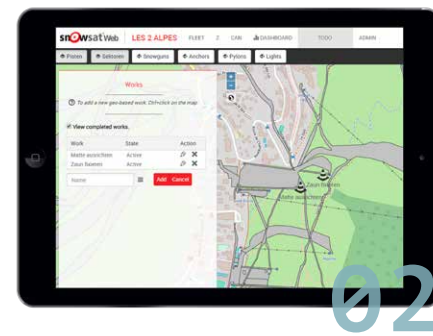
Matthias In-Albon
Managing Director
Bergbahnen Destination
Gstaad (BDG), Switzerland

"Skiing tourism is of vital importance for our economy. We achieve 90 percent of our revenue in winter, a quarter of that comes during the Christmas season. In the past, we never had the option of opening the slopes so early in the season with so little snow. As natural snow is becoming ever more scarce, optimal distribution of the valuable artificial snow is becoming increasingly important. SNOWsat has been in use in all of our 20 slope vehicles since last winter for this very reason. The system is essential if for ensuring that there is snow in our ski resort. It provides a better slope experience for our guests, it helps us to use resources more sparingly and, all in all, it brings us significant savings and more planning reliability. Last winter, we were able to save almost 300,000 francs on electricity, water and diesel fuel thanks to it."



SNOWsat Z as a web-browser application

Slope managers and snow makers can now access snow depth data from anywhere – from the slope, the office or their living room. The snow depth view can now be displayed on all mobile end devices such as smartphones and tablets and on all operating systems (Android and iOS).



SNOWsat "To do"

Tasks to be done that are spotted by the Ski Patrol or the slope manager at the ski resort during the day are immediately noted, scheduled and turned into an order for the appropriate driver and machine. These orders are automatically copied into the SNOWsat V2/V3 vehicle system the next time the PistenBully is started. This lets the driver complete the job promptly without making any special notes. All active, pending and completed orders can be viewed in the vehicle. Information is also web-browser based in SNOWsat Fleet and viewable from anywhere. This makes communication easier and increases efficiency.



Visualization of the snow depth at the blade

The driver can see the snow depth at three spots of the blade. This feature simplifies work, especially when building parks! The most important movements are displayed in the blade visualization and are supported by information about snow depth.



SNOWsat display

The new PistenBully 100 and 600 generation offers the ability to recognize details with greater ease on the new 10" monitor. Its new position no longer requires looking at the side, and work becomes more ergonomic.

Two partners, one mission

*TechnoAlpin and SNOWsat:
The dream team for energy-
efficient snowmaking*

Even the best snow groomer needs enough snow to work with. Ski resorts invest a great deal in snowmaking technology and are always interested in finding the most efficient way to get the best value out of their snow. Intelligent control software allows them to make optimal use of ideal snow making conditions and allows them to react to modifications in the best way possible. ATASSplus from TechnoAlpin is one example of this kind of forward-looking technology. SNOWsat provides the necessary snow depth data for this through its standardized interface.

"Snow depth measurement is not just a tool for snow groomer operators and slope managers. It is also a planning and decision-making tool for anyone in charge of snowmaking at a ski resort."

Oswald Böhm, SNOWsat



Overview of ATASSplus: Configuration of the snow machine (background: snow depth)



Snow management module in SNOWsat Z: The current status of the snow amount in relation to the target specification is displayed with color-coding.



The current amount / volume of snow, the 10-day trend and, where applicable, the amount of snow still required are displayed here in form of a table. This way, the snow maker can glance at the data to see where on the slope snow is missing and how much.

Snowmaking that conserves resources

ATASSplus collects the data from snowmakers and weather stations throughout the entire area. SNOWsat contributes information on current snow depths. This allows the user to make plans based on real snow depths instead of theoretically assumed amounts of snow. These real figures take into account melting, wind and natural snow deposits as well. Snowmaking then proceeds with excellent awareness of the prevailing conditions. Real-time statistics allow for continuous monitoring of water and energy consumption and prevent the available power consumption from being exceeded.

Everything under control

In addition, the slope manager and the snowmakers have the opportunity to analyze data and react to specific condition with very short notice. Thanks to the SNOWsat Z snow management module and the SnowManager from ATASSplus. The slope manager can define areas to be covered with snow and assign target snow volumes to each one individually for the beginning, middle and end of the season. SNOWsat Z lets the slope manager know whether the current snow level is too high, too low or exactly in the target range. This information lets the snowmaker assign target amounts for each snow machine in ATASSplus and define limits. Once the limit has been reached, the snow team is informed and snowmaking stops automatically. At the same time, the slope manager receives information via SNOWsat Web about snow depth trends over the last 10 days. All of this prevents excess snow production. Only the true required quantity is actually produced. SNOWsat performs outstandingly well when distributing snow, too, as the snow depth measuring feature helps the driver achieve an even covering of snow. Operating costs are optimized and the entire slope length is given an even coating of high-quality snow, saving resources and conserving the environment.

The TechnoAlpin software is continuously updated and optimized – just like that of SNOWsat.

Getting a taste of snow

Second round of the PistenBully Mini Ski promotion days

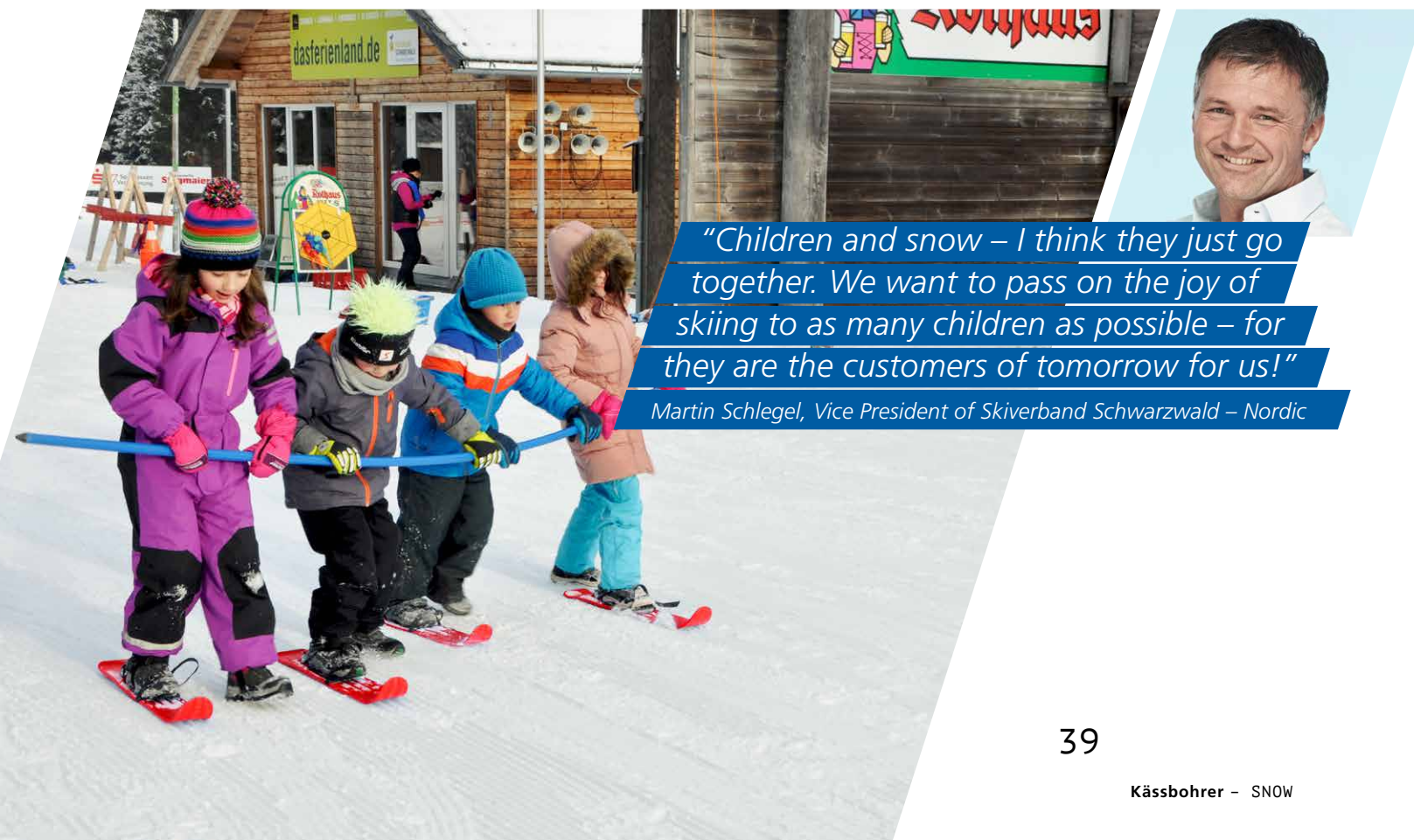
After the successful launch of the PistenBully action days in the past year, the Skiverbände Baden-Württemberg (Skiing Associations of Baden-Württemberg, SBW) together with Kässbohrer Geländefahrzeug AG are starting round two. Last year, a total of more than **3,500 children** participated in the PistenBully Cup. PistenBully mini-skis were dropped off right at the branches of the SBW. This equipment resulted in the emergence of very different approaches and procedures in different regions for elevating collaboration with elementary schools and kindergartens to a new level.

In the highest part of the Black Forest, the mini-skis were directly integrated into the physical education program thanks to the passionate initiative of elementary school teacher Philipp Rießle, brother of Olympic medalist Fabian Rießle. "Several periods of physical education class were spent bringing the children in contact with snow as a new medium. The success is evident: We now have 40 new children in our weekly training group!" From the mini-skis to alpine and cross-country skis and then even to jumping skis. The united student power participated in the Deutscher Skiverband (German Skiing Association) elementary school competition in early March and now they are

preparing to take part in the Jugend trainiert für Olympia (Youth Training for the Olympics) competition. Now there is another step forward with the development of worlds of winter sports in select snow-covered hotspots. The goal of the world of winter sports is to concentrate recruiting and fostering of young skiers in one location and to provide infrastructure. This comes in the form of set-up snow worlds with small wave slopes, hills and courses including skilled personnel to ensure skills are practiced safely and correctly. All of this is next to a snow-covered ski lift. The red PistenBully mini-skis are also right there in the mix. This makes implementing winter sports days easier for clubs and schools to plan and makes them a more appealing option.

These are two important components that are also welcomed by the ministry of education, youth and sports in Baden-Württemberg and by the "Sport in der Schule" (sports in schools) foundation. Cooperative projects with large ski resorts are expected to raise these worlds of winter sports events to a new level with the goal of increasing skill level and, especially, sharing expertise. Combining these forces in one location in the snowy uplands, easily accessible to many clubs and schools gives the concept even more promise.

PistenBully supports the SBW action days with the mini-skis. This lets a number of young people get a quick, simple, affordable taste of winter sports.



"Children and snow – I think they just go together. We want to pass on the joy of skiing to as many children as possible – for they are the customers of tomorrow for us!"

Martin Schlegel, Vice President of Skiverband Schwarzwald – Nordic



Off to the snow!

All companies of the Kässbohrer group are involved in sponsoring children. A variety of promotions are planned for the upcoming 2018/19 winter season: Supported by local partners, Kässbohrer is looking to introduce children to fun and activity in the snow.



Stefan Spindler
CEO of Kässbohrer All Terrain
Vehicles (KATV), Inc., United States

"KATV supports the non-profit Auburn Ski Club in the Sierra Nevada with a PistenBully 400. Under the slogan "One – Two – Three – Ski," more than 30,000 school children have been introduced to winter sports and skiing within the last 20 years. In the coming 2018/19 winter season, we will extend our support to other regions and promotions."



Peter Soukal
Managing Director
Kässbohrer Austria GmbH

"For decades, we have been supporting children and young people in competitive sports. But even in our nation of skiers, there are many children who no longer learn skiing. We feel a responsibility to take action. Sports in the snow make children stronger. This is why we are getting involved with partners. Children, have fun!"



Remo Bulgheroni
Managing Director
Kässbohrer Switzerland

"Mountains and snow have a very positive influence on the development of our children. There are kids and families who no longer have any real idea about the experience in the snow. We are planning promotions to rekindle children's enthusiasm for the snow. We are also hoping for partners to support us in this important cause."



Valter Tura
Managing Director
Kässbohrer Italia GmbH

"Children should come to know the fun of skiing while still small. We want to awake children's excitement for snow and skiing early on.

Who can we count on if not our children? That is the basis behind our appeal: 'Children, come join us and go skiing in the mountains. Don't miss this unique, amazing experience!'

We are planning various events and activities in the snow – for example, special skiing days, 'KidsSki'.

We also want to support schools when they introduce a fixed retreat to take place as a 'white week' in the mountains."



Didier Bic
Managing Director
Kässbohrer ESE France

"In recent years, fewer and fewer children have the opportunity to enjoy skiing. We want to reverse this trend. In the 2018/19 season, we will be on tour with partners and special promotions to rekindle children's enthusiasm for snow, skiing and mountains in our country!"

Special task force

Even aside from snow grooming, Kässbohrer has the right vehicle for almost any terrain and application

With a lot of creativity and technical expertise, our experts develop vehicles for the most unusual tasks: Special attachments, mounts and modifications make it possible.

01



02



03



04



05



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09



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Creative application options

It's old news that our PistenBully vehicles are not only used in snow. Other familiar applications for the PistenBully are in silos and for peat extraction. The PowerBully is now being used to manage the most extreme tasks in particularly difficult terrain – be it setting up power lines or maintaining oil pipelines. But we have a lot more to offer. Used vehicles often get a second life from us. This is often times highly specific.

01. Summer / year-round use

Our PistenBully 100 AllSeason can be used anywhere in any season. In wintertime, for example, it is used in small parks or making cross-country ski runs. A few outstanding features for summertime use – including an auxiliary cooler for charge air, water and hydraulic fluid – make it ideal anywhere wheeled vehicles fall short. For example, for mulching the ski slopes in summer, or for applications in wet and/or rough terrain.

02. Landscape maintenance

Particularly stringent regulations are in place in nature reserves. PistenBully fulfills these regulations thanks to its outstandingly low ground pressure. Mowing marshes and swamps or clearing the area for grass clippings are just a few practical applications.

03. Earth moving and landfills

Numerous construction companies use PistenBully for difficult bulldozing work.

04. Salt mining / saline

Without salt, there would be no life. In salt mining, giant man-made storage lakes are filled with sea water, which then evaporates. Using a tiller, the PistenBully scrapes off the crust and pushes the salt across the sensitive surface to the edge of the lake, where it is loaded.

05. Cabs

A mounted passenger cab means no goal is out of reach. Applications include everything from accessing a remote cabin to evacuating people from hard to reach areas. The cabs are easy to mount and remove so that the entire loading platform is again available quickly.

06. VIP cab

The equipment in the passenger cabs also fulfill customer requests for comfort and luxury – in this case, tinted windows, a high-end stereo system including high-tech monitor and ultra-comfortable seats for the ultimate sound experience on the mountain. Everything is customized to the customer. There are no limits on luxury!

07. Excavator attachment

A special excavator attachment prepares the PistenBully for maintaining the ski area and for upkeep of the lifts on the glacier. On the ice, it excavates the lift's support foundations and places masts in the vicinity of the system. A completely personalized requirement that we implement together with our customers.

08. Transport

The PowerBully Scout has a simple design and is easy to operate. It is ideal for transporting people and materials through mud and muck as well as over ice and snow. Its compact size allows it to be loaded on a pick-up and driven to the work site.

09. Hiab crane

For support in the various lifting tasks in Antarctica, the research station teams depend on a PistenBully with loading crane attachment.

10. Condensed power and low ground pressure

The PowerBully can handle the most extreme tasks on difficult terrain – whether building power lines or maintaining oil pipelines.

FireFighter

PowerBully in use fighting forest fires



The PowerBully 5T FireFighter is highly suitable for first response, cleaning and digging ditches. It features a strong chassis to carry plows for making fire breaks.

Where big fires rage, people and animals have to fight for their lives. The speed at which forest fires spread makes it difficult for responders to get the flames under control promptly. This is where professional tracked firefighting vehicles shine.

If anyone is familiar with fighting forest fires, it is the Michigan Department of Natural Resources. In the infamous Duck Lake Fire of 2012, the department fought for three weeks to save huge swaths of the natural landscape. Recently, it dispatched a few of its employees to southern California to support the local firefighters and civil protection and disaster control authorities in putting out the raging fires there.

A call for help

One day in early Fall 2016, the phone rang at Kässbohrer All Terrain Vehicles, Inc. in Reno, Nevada. The Michigan DNR was on the line. The caller said the department urgently needed a tracked vehicle that could transport firefighting equipment into remote and difficult-to-access areas. For test purposes, a demonstration over tough terrain was organized for the PowerBully 5T FireFighter, developed in Germany. Representatives from the Wisconsin and Minnesota DNRs were also on hand. Both departments already use tracked vehicles successfully to minimize damage.

Clear victor

The PowerBully 5T does the job, and does it well. It works flawlessly under extreme conditions and dominates across the board. Indeed, when put to the test on this occasion, it leaves all the competition behind. Therefore, in Spring 2018, multiple FireFighters will make the journey to Michigan. Their platform is designed such that firefighting equipment can be

attached with ease. Depending on the requirement, everything has a place there: Water pumps, water and foam tanks for firefighting, various nozzles and hoses, auxiliary motors and many other pieces of equipment. The powerful, all-terrain vehicles feature outstandingly low ground pressure, high payload, rugged suspension and stable tracks.

Probationary test passed

They are strong. They are tough. And they fight their way through truly any terrain. In North Carolina, Maryland and Florida, numerous PowerBully 5T vehicles are already in use in emergencies. If necessary, 24 hours a day – even over prolonged periods. Where wheeled vehicles with huge tanks that hold up to 1,000 gallons might fail at a nearly unpassable thicket, the FireFighters from Kässbohrer All Terrain Vehicles, Inc. truly excel.



PowerBully 5T FireFighter with fire plow



PowerBully 5T FireFighter with frontal spray head and winch attachment



The new PowerBully 15T

Future-oriented tracked vehicle with payload up to 16.6 t

The first PowerBully 15T – made in Germany – has left the assembly line. Subsequently, it underwent rigorous testing at our factory before our engineers let it leave the nest.

The tracked vehicle has been developed and designed for the most unusual jobs on rough terrain. The PowerBully is a tracked vehicle with a generously sized platform that can hold drilling attachments, cranes, lifting platforms, articulated arm cranes and steamshovels. All according to the customer's wants and needs. The fields of application around the world include maintaining gas and oil pipelines, electrical and telephone lines, fire safety, ground surveys or mulching work – just to name a few.

Cleanest vehicle on the market:

The B 6.7-liter Cummins engine (up to 231 kW) makes the PowerBully 15T the only one in its class to fulfill the EU's Euro 5 emission standard and the current American EPA's 4f tier.

- Technically unparalleled: The hydraulic track tension system, familiar from the PistenBully
- Safety is everything: Roll-over protection attachments 32 ton ROPS, FOPS Level 1
- Individually matched to its users' wants and needs

Goodbye and good luck!

Big changes at PistenBully



John Gilbert, ex-CEO KATV, United States

The captain departs

When John Gilbert looks back on his time as CEO of Kässbohrer All Terrain Vehicles (KATV), he shows marked enthusiasm for his team. Still, it was his dedication and energy that made KATV the market leader in the United States.

He restructured the company, oversaw its move from Maine to Nevada, expanded its sales network and increased the flexibility of the spare parts. Three successful acquisitions were made under his leadership: Litefood, Soft Track Supply and Cherrington. As if all this had not been enough, he even had a grooming vehicle developed especially for the North American market – the TrailBully.

Asked what he is looking forward to in retirement, he answers: "Spending more time with my family. And driving around in my classic cars."



Stefan Spindler, CEO KATV, United States

The new guy arrives!

Up to this point, Stefan Spindler has been the global sales director for PistenBully. On April 1, 2018, he will take over for John Gilbert as CEO. He is looking forward to his move to Reno, Nevada, and to the challenges that await him.

Spindler is a versatile person. When he came from a different industry and joined Kässbohrer Geländefahrzeug AG in 2002, he started as a national representative for BeachTech. There, he quickly emerged as a driving force and became the leader of the section.

In 2011, he switched from the beach to the snow and took charge of the entire global PistenBully sales department. Over the last seven years, he has come to know the market and our customers in detail.

He wants to continue the success story of KATV in the United States by introducing SNOWsat, PRO ACADEMY and PowerBully to the American market. Doesn't that sound like true pioneering spirit? We wish Stefan Spindler all the best for his start in the United States and more success in his further career!



Werner Seethaler, Sales Manager, Laupheim

Preserving and passing on the good

Preserving and passing on the good. Stefan Spindler passes on his office in Laupheim, Germany, to a well-known person: For 38 years, Werner Seethaler has been a PistenBully man. He knows the market inside out – after all, he has traveled far and wide in all these years as a salesman and has achieved a lot.

He just wants to carry on the success of PistenBully – and the legendary spirit of the PistenBully team – as before. And to continue and advance the essence of what makes SNOWsat and the PRO ACADEMY. Because: Never change a winning team! Good luck in your new position!



Built on anything but sand

BeachTech and Cherrington follow the same paths

The product ranges of the two brands have been analyzed and the potential for development has been evaluated. The result is now one portfolio from the best models of both brands in order to make an even better match for the multitude of customer needs.

The technical documentation has been updated to a unified status, the design of the assemblies has been simplified, and the sales organization has been combined. Summed up nicely: Expertise and experience from 26 years of BeachTech and 20 years of Cherrington are now bundled in Laupheim.

Double the skill in technology and support

Our technicians and designers have quickly acquainted themselves with the plans of the Cherrington models and discovered ample opportunity for synergy. We are now busy working on the following: Making standards match, defining identical parts for simplifying many assemblies, combining the advantages of BeachTech and Cherrington – and documenting it all accordingly. A lot of work has to be done!

Patrick Zwickl, BeachTech Developer from Laupheim, Germany, deserves special mention here as the mastermind in technical matters. Last year, he flew across the Atlantic countless times to share and exchange information with his American colleagues.



Patrick Zwickl played a crucial role in the successful merger of the two brands.

“The last year was an especially exciting and intense time for me. Thanks to extensive close collaboration with our colleagues from Cherrington, we have developed many approaches to solutions for our now common projects,” he says. “Together we are stronger than ever – we notice that again and again!”

Meanwhile, he has also garnered much support in Laupheim in Germany: Over the course of the acquisition of Cherrington, five new positions have been created. Additional design engineers are now working in the beach cleaning area.

Customer-oriented approaches to solutions

The role of Matthias Zimmermann, our new BeachTech man in customer service, is also key. In recent months, he has studied the demands of the market and individual customers in depth, “A lot need to be done – in the most positive sense! After all, our customers are the best suppliers of ideas.” We work in close collaboration with our customers and our colleagues from the development department. The input gives rise to customer-oriented approaches to solutions that not only facilitate work on the beach but also advance cleaning technology.



Matthias Zimmermann always has an open ear for the customers – whether they come up with technical questions or great ideas.

An overview of the fleet



BeachTech 3000 –
Power and volume



BeachTech Marina –
Turns on a dime and turns mountains



BeachTech 2800 –
High-tech for the beach



BeachTech 2000 –
Compact and agile



BeachTech Sweepy hydro –
A small miracle-worker



Cherrington 4600 –
At home on large beaches



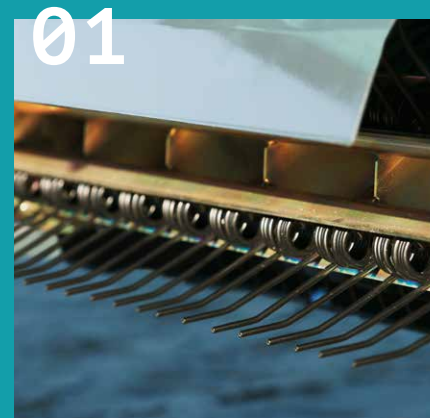
Cherrington 5500 –
ultimate maneuverability and driving comfort



Cherrington 440 XL –
durable and efficient



Cherrington 3000 –
perfect for resorts



Patented BeachTech cleaning technology: Raking, screening, mixed technique

- 01. Using the raking technique, damp sand can be cleaned optimally and dry sand can be processed at a high speed to cover an area.
- 02. Using the screening technique, a dry layer of sand is picked up and cleared of even the smallest particles of debris (e.g. cigarettes, glass shards, etc.).
- 03. Using the mixed technique, the driver can combine both cleaning techniques in any combination. Especially ideal for sensitive or demanding cleaning tasks.

The standard Cherrington process

- 04. Cherrington beach cleaning devices guide the sand over a screen into the container by using a transport system unit.
- 05. To separate sand from trash effectively, the screen is pulsed in short, vibratory movements.
- 06. The standard Cherrington cleaning system is extremely effective. Any kind of contamination – from seaweed to cigarette butts – is cleaned effectively and reliably. We recommend the use of Cherrington technology particularly in cases with coarser conditions, such as sand heavily laden with stones or pieces of coral.



A glimpse of production

- 01. Screen frame made of high-strength steel – galvanized, primed, painted: the heart of the BeachTech Marina is extremely rugged and durable.
- 02. Thought into every conceptual detail: The arrangement of the return and eccentric shafts and the use of high-quality bearings ensures extremely smooth operation and optimal sifting.
- 03. The low-wear screening belt and the tilting frame are mounted. The wide, low-pressure tires and the low weight mean especially low ground pressure later.
- 04. All functions can be controlled from the user-friendly cab. It is also available with air conditioning.
- 05. Large window panes for a perfect view in every direction.
- 06. The smart hydraulic system design provides convenient accessibility and outputs warning signals in case of malfunctions.
- 07. The powerful Kubota 42 metric HP turbo-diesel engine makes the BeachTech Marina a self-propelled and dependable cleaning machine.
- 08. Quality assurance is a huge priority: All functions are thoroughly examined on a test bench.

Trailblazers for success

Whether creating or cleaning new cultivated landscapes or sports fields with high requirements, the mobile screening solutions from Cherrington offer a successful solution to any type of soil tilling.

There is a problem that even hobbyist gardeners encounter when creating a new planting bed. It is the same problem that is downright critical for companies that prepare or maintain cultivated landscapes on a large scale: How do you get roots, stones and wood out of the ground easily so that the surface is best prepared for further processing?

The answer is simple: Using the mobile screen solutions from Cherrington. In just a single step, it removes all extra material from the soil and loosens, screens and smooths any type of surface.

This is how it works:

The hydraulically powered spiked roller – available as an option for this application and mounted all the way at the front – loosens up the compact soil before the screening process. The screening module can now dig deep with ease while the rugged transport system unit pushes dirt, grass cover, roots and stones up and over the giant screening sheet metal. Anything that does not belong in the soil is easily sorted out. The fine dirt then returns to the seed bed. And the rest? Roots, stones and everything else end up in the waste container and are ultimately discarded. What remains is a finely prepared subsurface – ready to be turned into a playing field, golf course, riding arena or water filtering system.

Low-maintenance concept, innovative design

The mobile screen solution eliminates the need for a fixed screen which would require first transporting the material. A process that previously took laborious effort by hand and several steps can now be done quickly and easily while driving over the landscape. The screening sheet metal used here is available in a finer and larger-meshed version. It is pulsed in short, strong shaking motions by a hydraulically powered high-speed motor.

Thanks to the effective, high-quality rubber damper, originally from the aerospace industry, the vibrations are not transferred to the main frame.

The innovative system has even more advantages: It is gentle on all components, low-maintenance, easy to replace and can be cleaned easily. It cannot get any better.



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AFTER WORK PARTY

MAY 15 TO 17, 2018

Hard work deserves to be celebrated. This is why we would like to let loose and toast our customers, friends and partners once again in 2018 for our outstanding work together. Save the date!

Thank you.

You were magnificent. In the last issue, we asked you how you felt about our new magazine. You could say that feedback is in your hands now.

PistenBully

2018-04-10 to 2018-04-12
Alpitec, Bolzano, Italy

2018-04-18 to 2018-04-20
Mountain Planet, Grenoble, France

2018-05-03 to 2018-05-06
National Convention & Tradeshow, Marco Island, Florida, United States

Kässbohrer Magazine international

We have a lot to say. And we are saying it in multiple languages. Specifically German, English, Italian, French, Spanish, Russian and Mandarin. So regardless of where you want to read our magazine: Our interesting topics truly know no boundaries.

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PistenBully

2018-06-13 to 2018-06-16
50th International Snowmobile Congress, Halifax, Nova Scotia, Canada

2018-09-19 to 2018-09-22
World Winter Sports Exhibition, Beijing, China

2018-10-24 to 2018-10-26
Ski Build Expo, Moscow, Russia

PistenBully

2018-06-03 to 2018-06-06
Electric Utility fleet Managers Conference (EUFMC), Williamsburg, Virginia, United States

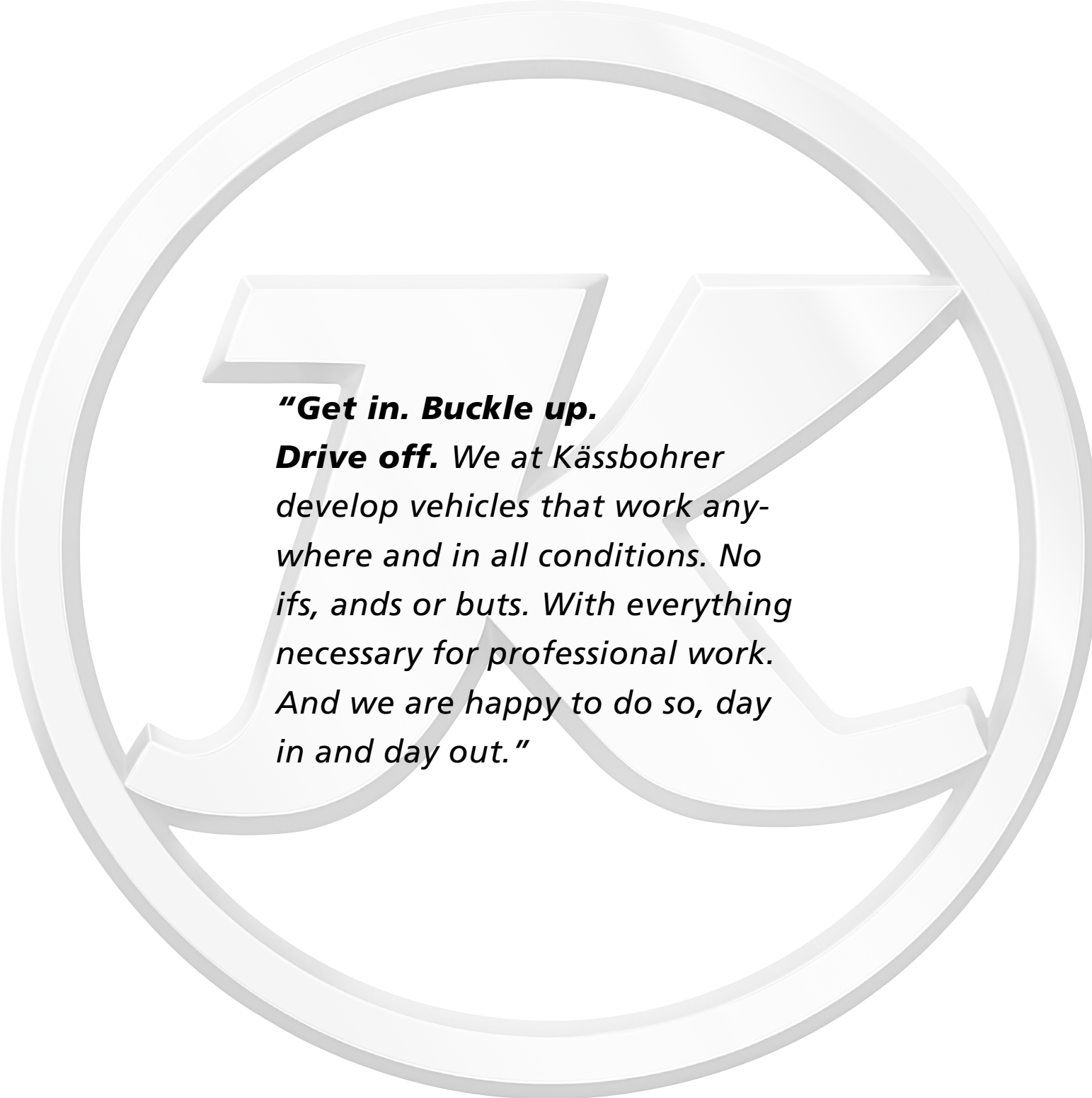
BeachTech

2018-11-14 to 2018-11-16
103rd Annual League of Municipalities Conference, Atlantic City, New Jersey, United States

2018-11-18
Ecoplayas, Spain

2018-11-20 to 2018-11-22
SMCL: Salon des Maires et des collectivités locales, Paris, France





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