

SETTELE

SPORTS SYSTEMS



STARTING SYSTEMS

FOR WINTER SPORTS 2019/2020

STARTING SYSTEMS

Settele Sport Systems offers various systems for the most current requirements in ski, snowboard cross, parallel events and team racing. Our starting systems are used successfully at:

- **Olympic games**
- **World and European championships**
- **Europe and World Cups**
- **FIS point races**
- **and national events**

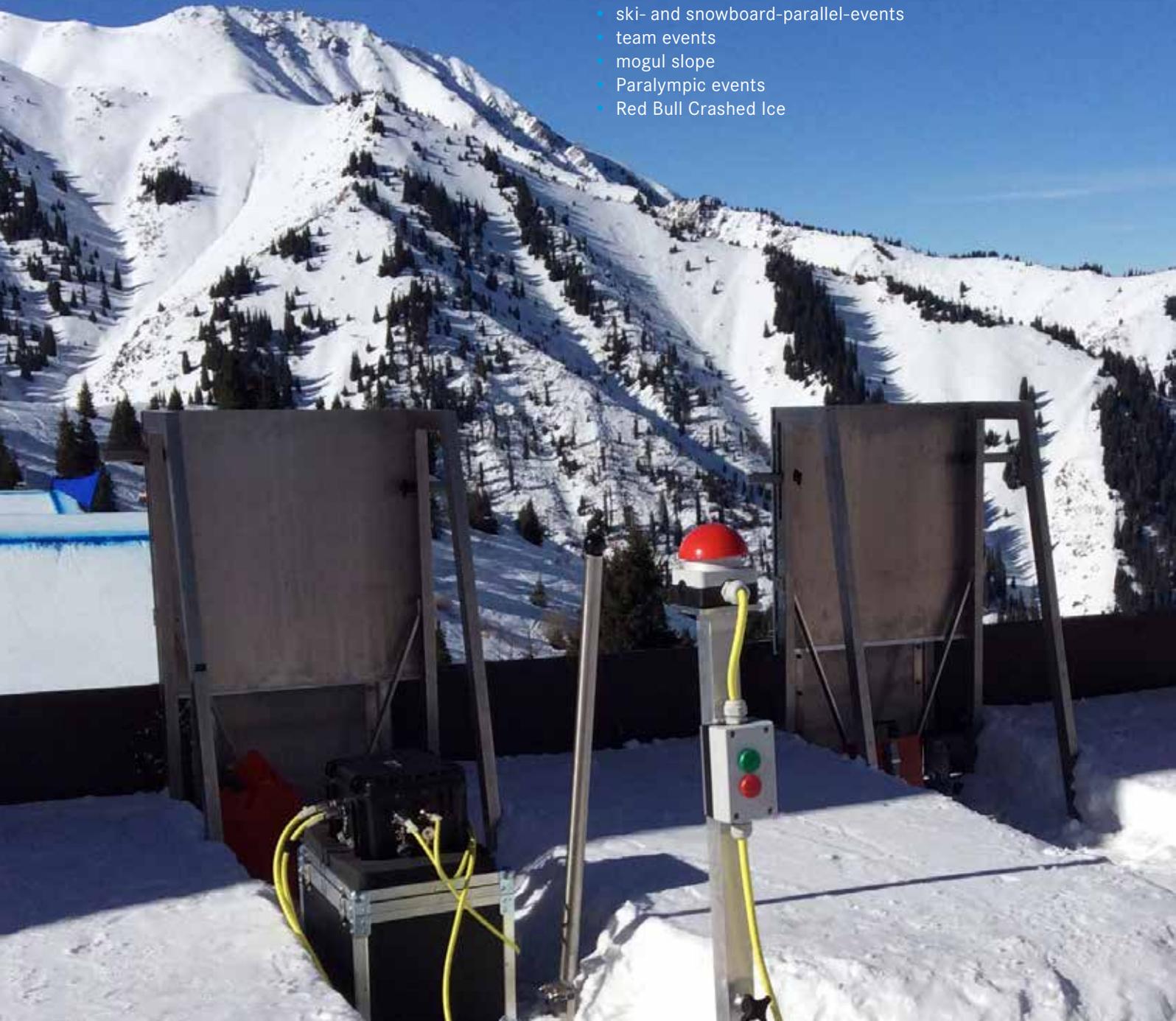
The Startgates X Cross and thr Startgate // Parallel Worldcup corresponds to international standards and are certified by the FIS.





AREAS OF APPLICATION

- ski- and snowboard-cross
- ski- and snowboard-parallel-events
- team events
- mogul slope
- Paralympic events
- Red Bull Crashed Ice



SKI AREA INSTALLATIONS

We also offer launch systems for funcross courses in ski resorts. Whether individual, parallel or team events – the modular construction method of our gates have maximum flexibility.

NEW: LEASING

For ski resorts and ski-/snowboardfederations we also offer a monthly leasing service for the winter and training season. We take care of the construction and dismantling and you will get a gate every year on the latest technical standard.

ALSO IN SUMMER

For mountain bike, BMX and motocross events we also offer suitable launch facilities.



STARTSYSTEMS X CROSS



STARTGATE X CROSS 4

FIS Homologation – made in Germany

Our Startgate X Cross is patented and corresponds to the international standard for professional winter sports of the FIS. The start system has already been successfully used at FIS races, European Cups, World Cups and Olympic Games. The last big HIGHLIGHT was in 2018 in Pyeongchang.

Advertising space – for your sponsors

The Startgate X Cross offers attractive spaces for advertising at the gates and between the modules.

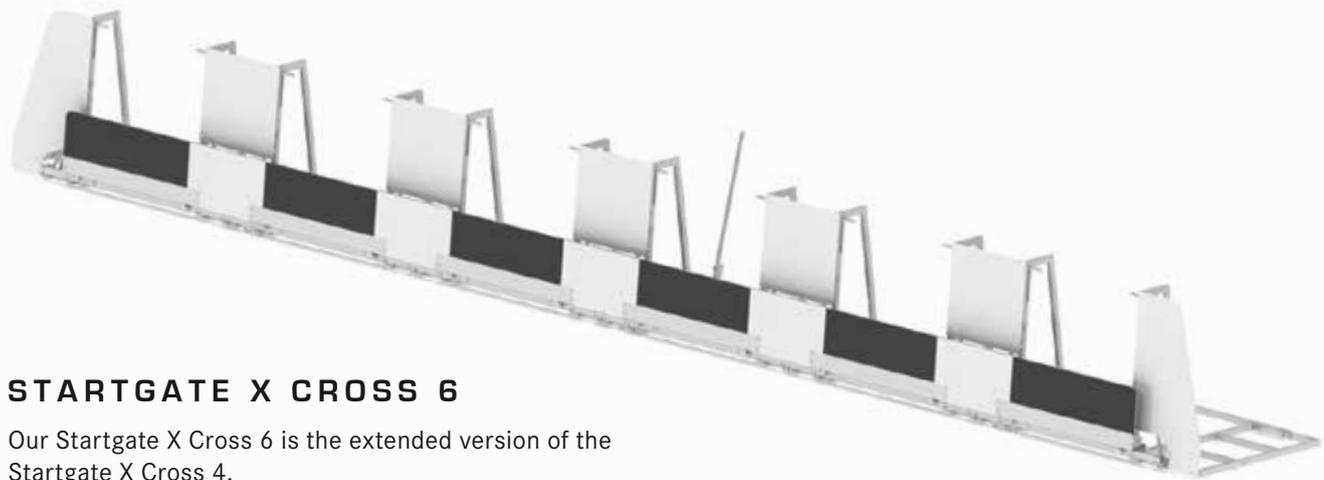
100% Exact start

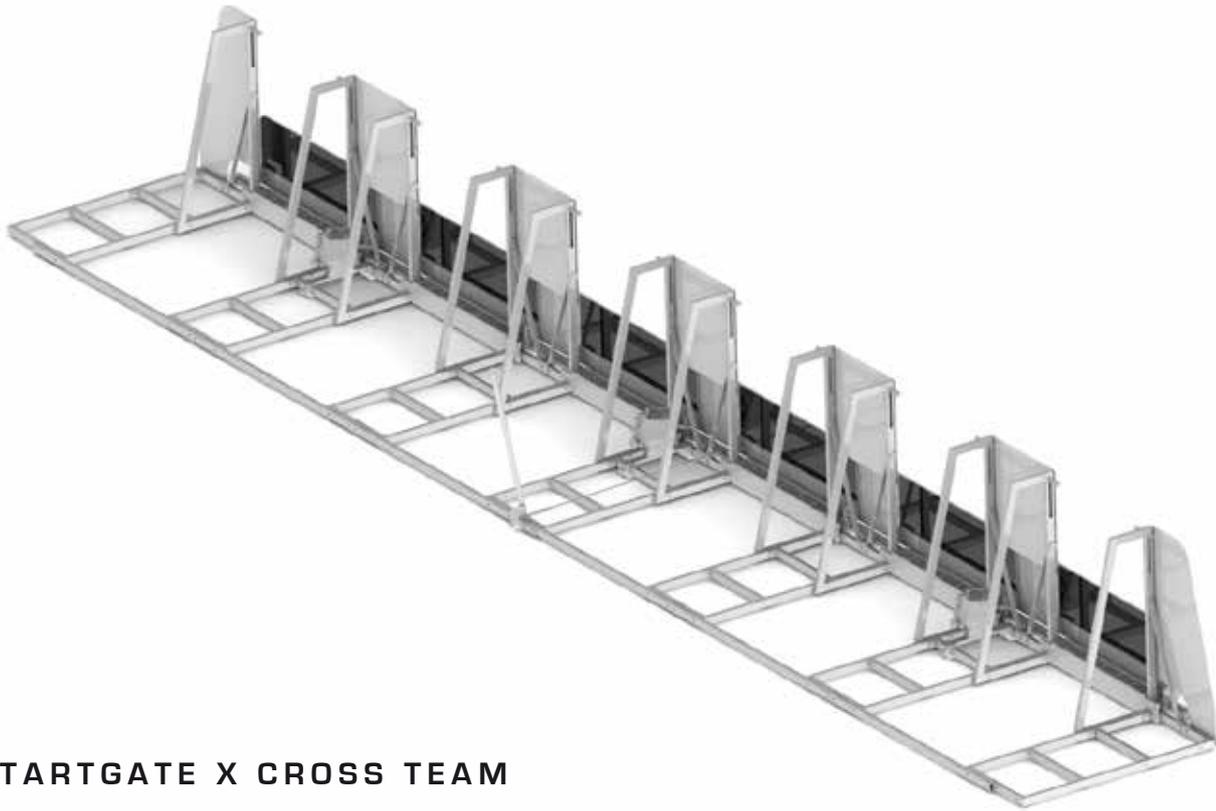
The Startgate X Cross is made of high-quality stainless steel and aluminium. Due to the mechanical system it offers an exact and simultaneous start sequence. The electronic and automatic release with random programming is recommended as an accessory.



STARTGATE X CROSS 6

Our Startgate X Cross 6 is the extended version of the Startgate X Cross 4.





STARTGATE X CROSS TEAM

Part of the Startgate X Cross

Due to our modular design of the Startgate X Cross, any number of modules can be combined to form a Startgate X Cross Team. This makes it possible to use the sophisticated system of the Startgate X Cross including all accessories for the team competition. New is the comfortable and simple separation of the mechanics, so that each gate can be controlled and triggered individually.

FIS Homologation – made in Germany

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SOCHI 2014



СОЧИ 2014

SOCHI 2014



IT

SOCHI

SOCHI 2014

sochi.ru
2014



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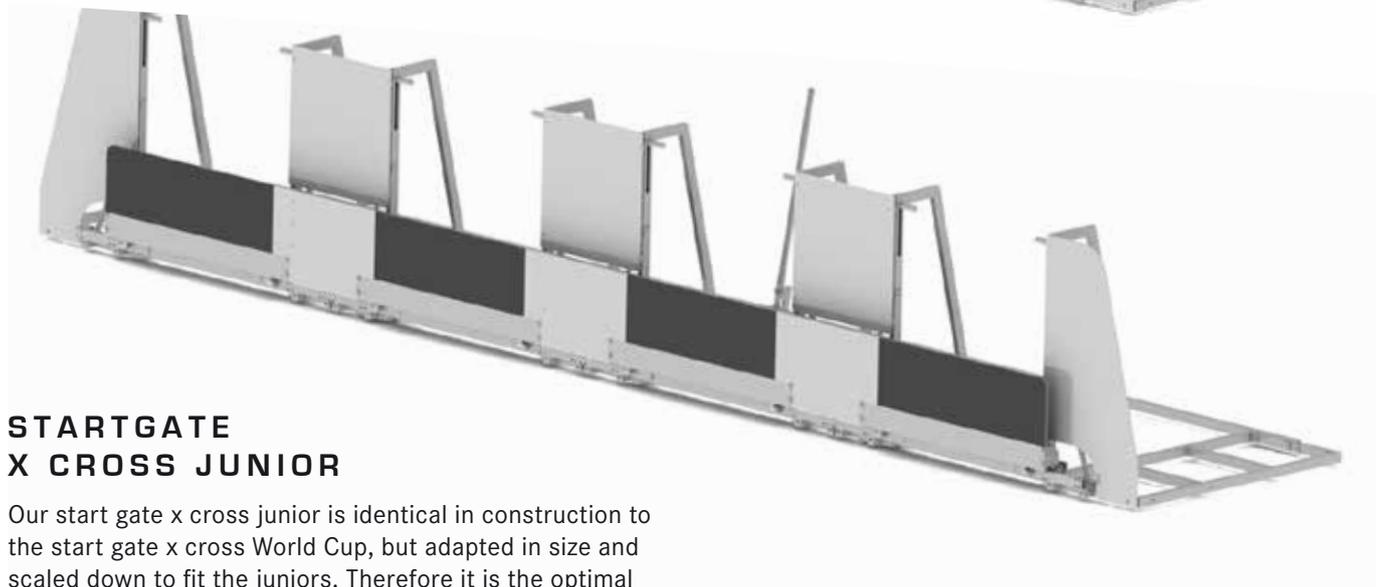
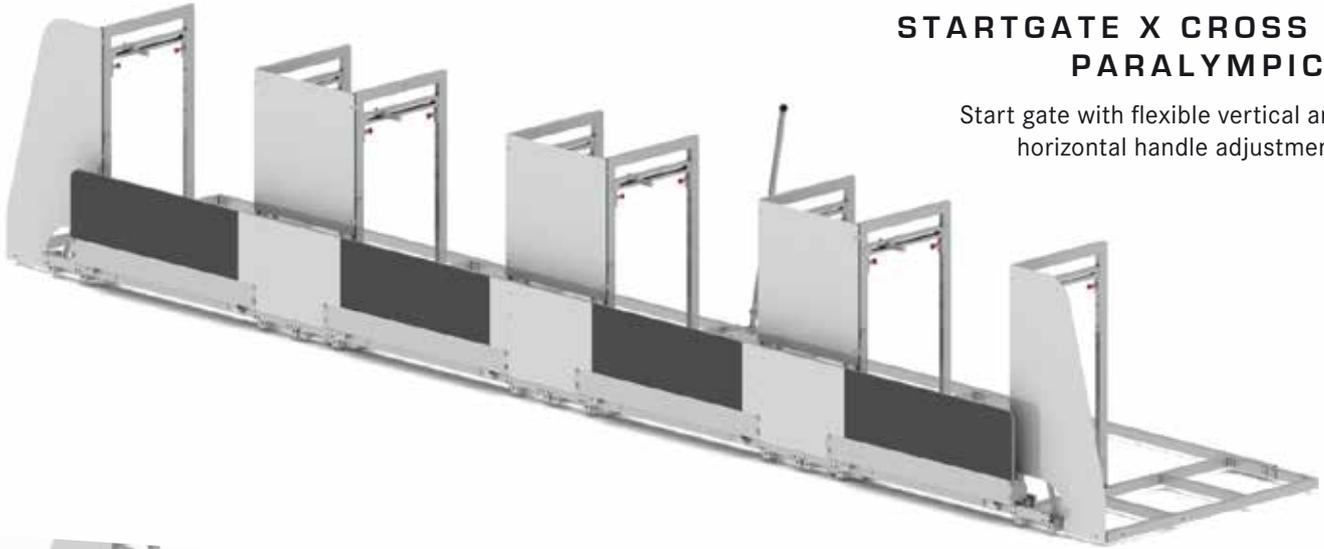


sochi.ru
2014

CO

STARTGATE X CROSS 4 PARALYMPICS

Start gate with flexible vertical and horizontal handle adjustment.



STARTGATE X CROSS JUNIOR

Our start gate x cross junior is identical in construction to the start gate x cross World Cup, but adapted in size and scaled down to fit the juniors. Therefore it is the optimal product for training measures and racing service for young skiers and snowboarders.

As a special highlight for our young talents we offer the Startgate X Cross Junior at a special price subsidized by us!

FISU.TV

WINTER UNIVERSIADE
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STARTSYSTEMS // PARALLEL



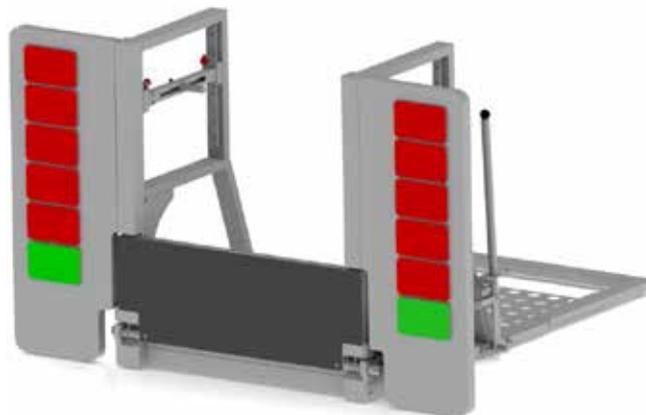
STARTGATE // PARALLEL WORLD CUP

Exact electronic triggering

The exact triggering of the start gates takes place via an electro-mechanical system. The distance between the two gates can be freely selected by this. For the START GATE parallel event, an electro-mechanical trigger unit is required for each gate. The start intervals are controlled via countdown and indicated by acoustic and visual output.

Touchscreen control

Our new control has a touch screen which enables the direct input of starter lists and times. Thus, a time-shifted triggering of the start gates can be achieved easily and comfortably. The control is the complete solution for all disciplines, especially for parallel and team events.



STARTGATE // PARALLEL WORLD CUP NIGHT VISION

Optionally, the Startgate // Parallel World Cup can be extended with additional TFT monitors to display sponsor logos, name lettering, national flags, etc. Alternatively, the monitors can also be used for large-area visual display of start signals at night and city events.

Another option are our new side panels with large LED light signals).



STARTGATE // PARALLEL FIS EVOLUTION

The light training and competition facility

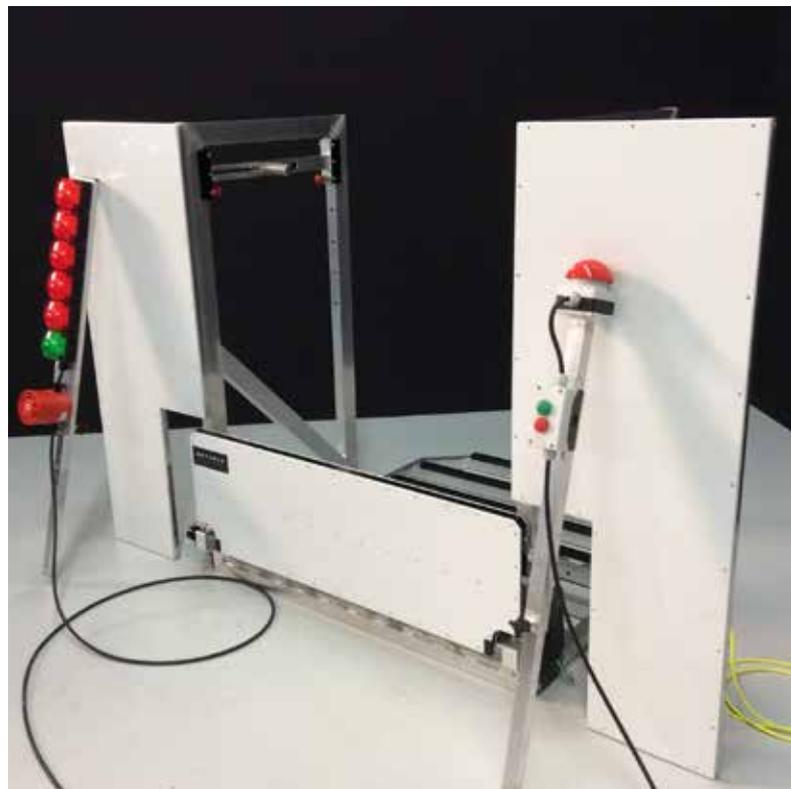
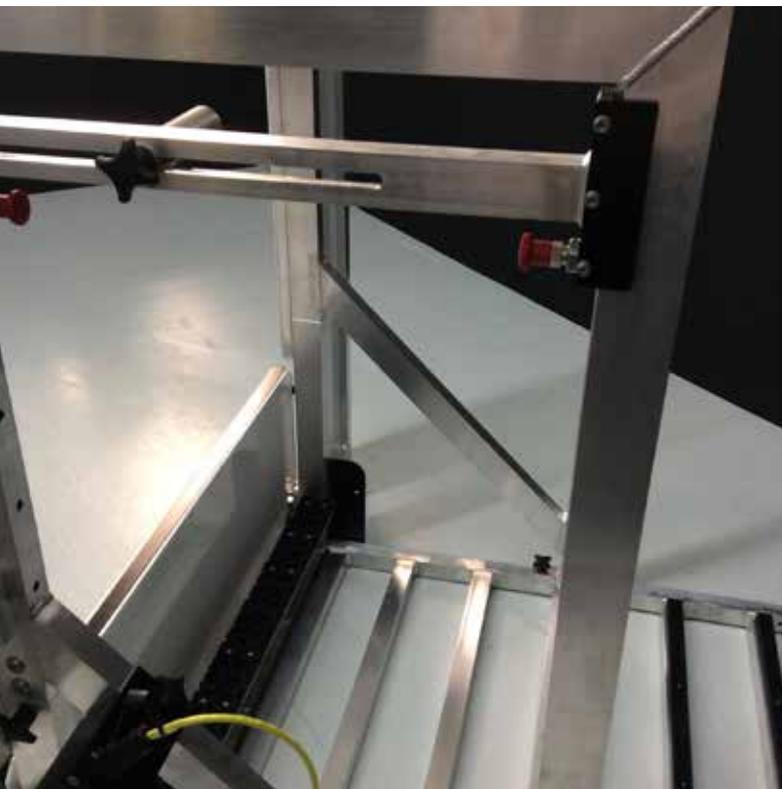
The Start Gate Fis Evolution is a newly designed high-end startgate for high demands. The frame construction is completely made of aluminum. This makes the system stable and very light. In addition, the complete Dropboard (start flap) is an extremely high-quality and lightweight aluminum frame construction with Teflon-plastic-planking inside and outside. The entire electronics and tripping is operated with 24 volts, whereby all components were reduced to minimum dimensions and by means of the battery pack allows a long service life until the next charging process. The start gate consists of a single starting place. On the one hand, it is intended as a training facility for winter and summer and on the other hand for parallel competitions as a lightweight alternative to the Start Gate WC.

Incomplicated transport and assembly

The Stargate // Parallel Fis is almost completely assembled from the start. It can be assembled and disassembled easily in just a few steps. Due to its low weight, transport is easy and comfortable. In addition, the gate can simply be folded together and stowed in the transport bag.

Trigger

The start can be triggered manually or electronically. Together with our electronic control systems it forms a complete setup for competition and training measures. Through the use of the random system it is for example also possible to trigger the start signal in the training itself. Thus an optimal start training can be completed.





COMING SOON!

STARTGATE // PARALLEL FIS

The light training and competition facility

The Stargate // Parallel Fis is made of aluminium. This makes the system stable and particularly light. The start gate consists of a single launch site. On the one hand it is intended as a training facility for winter and summer and on the other hand for parallel competitions as a light alternative to the Start Gate WC.

Incomplicated transport and assembly

The Stargate // Parallel Fis is almost completely assembled from the start. It can be assembled and disassembled easily in just a few steps. Due to its low weight, transport is easy and comfortable. In addition, the gate can simply be folded together and stowed in the transport bag.

Trigger

The start can be triggered manually or electronically. Together with our electronic control systems it forms a complete setup for competition and training measures. Through the use of the random system it is for example also possible to trigger the start signal in the training itself. Thus an optimal start training can be completed.

STARTGATE // PARALLEL TRAVEL CARBON

The new innovative Travel Gate is the optimal solution for ski and snowboard teams on worldwide training programs. Due to the aluminium and carbon construction with minimal packing size and an unbeatable total weight of 8kg, the new Travel Gate is the absolute innovation in training.

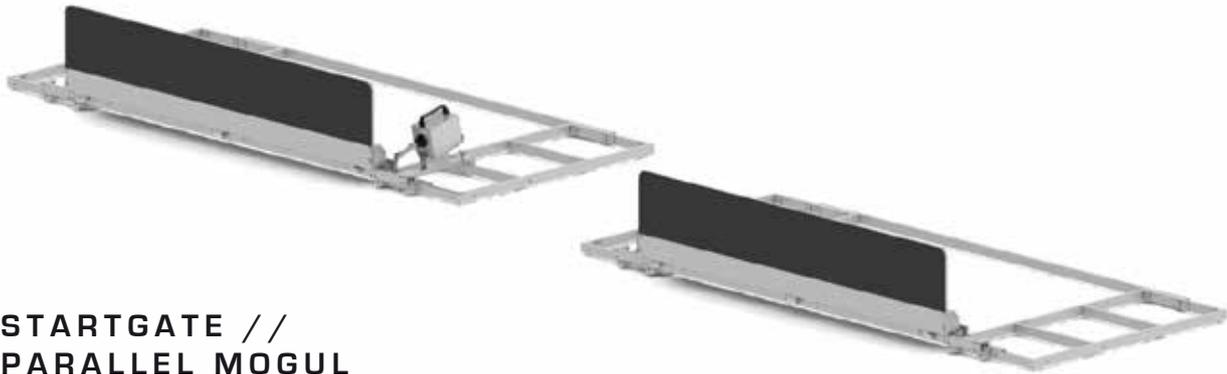
Exact electronic triggering

The exact triggering of the start gates takes place via an electro-mechanical system. The distance between the two gates can be freely selected by this. For the Startgate Travel Carbon, an electro-mechanical trigger unit is required for each gate. The start intervals are controlled via countdown and indicated by acoustic and visual output.

Touchscreen and App Control

The Travel Gate Carbon features an integrated miniature control unit including the battery unit with charging function. The start signal can be controlled either at the gate or using an app function via smartphone or tablet.





STARTGATE // PARALLEL MOGUL

Startgate for the spectacular mogul parallel events.

Exact electronic triggering

The exact triggering of the start gates takes place via an electro-mechanical system. The distance between the two gates can be freely selected by this. For the START GATE parallel mogul, an electro-mechanical trigger unit is required for each gate. The start intervals are transmitted to the start gate by means of random control.

Easy handling, modular, flexible design and uncomplicated operation are the characteristics of the Startgate.



STARTGATE // PARALLEL MODULAR

Modular design – part of the Startgate X Cross

Due to our modular design of the Startgate X Cross two modules can be mounted to one Startgate // parallel. This makes it possible to use the sophisticated system of the Startgate X Cross for parallel starts.







CONTROL SYSTEMS

Electronic Drive Control

All of our control systems are stable and impact-resistant, installed in waterproof outdoor cases with high-quality sockets for cylinder connections, buttons and power supply in accordance with outdoor standards. All components are manufactured in high-quality industrial quality. Depending on the type, our control systems have a touch screen and various outputs for traffic lights and signal systems.

Battery

All our systems can be operated independently with our battery system.

EDC 1 Cross

Random programming control and random output of opening control pulses in a time window of 1-4 seconds. The first choice for cross events!

EDC 2 Parallel

Control with countdown programming and output of the opening control pulses in the countdown system. The output is simultaneously via acoustic and visual outputs. The EDC 2 also has an output for the output of a time measurement pulse. It is compatible with all common timing systems.

EDC 3 Parallel Time Delay

Control with countdown programming as EDC 2 but with the additional option of entering a time offset via touch screen to output the opening impulses with a time offset. The EDC 3 has separate outputs for time pulse, traffic light and loudspeaker for each run.

EDC 4 All in One

The EDC 4 is the all in one solution. By switching the individual programs, the individual disciplines can be selected:

- Cross
- Parallel with countdown
- Parallel with countdown and time delay
- Team races / Relay Competitions

The programs are selected via touch screen according to industry standards. Simple and structured menu guidance ensures uncomplicated and self-explanatory input. The EDC 4 has several outputs for time pulses, traffic lights and loudspeaker systems.



ACCESSOIRES & EXTRAS

TRAFFIC LIGHTS

Medium: The small traffic light system is specially designed for mounting with Velcro at practically any point and for the visual output of the countdown systems.

Large: The middle amp system is designed for the visual output of the countdown signals and is usually placed in front of the runner in his field of vision. The bright LED light signals are mounted on telescopic aluminium poles and can be retracted for transport.

XLarge: The large traffic light system is designed for the visual and acoustic output of the countdown signals. The very large LED panels are good for the audience and, for example, at night finals to follow from the target.

LOUDSPEAKER / HORN

For output of the acoustic signal during countdown starts. The horn is mounted on telescopic aluminium poles and can be retracted for transport.

BAGS

For the Startgate "FIS" we offer light but high-strength and high-quality bags. The complete gate can be stowed and transported easily and comfortably. Due to the long zipper over the entire side, stowing the folded gate with accessories is very easy, simple and comfortable.

TRANSPORT BOX AND CASES

For transport and storage, we offer special and tailor-made wood boxes and flight cases. The transport boxes are also suitable and designed for transport with snow groomers. The wooden construction, which absorbs moisture, minimises corrosion during the summer months. All boxes are treated and certified for international transport.

SNOW SCREWS

Through our plastic snow screws with aluminium and stainless steel adapter plates, all our gates can be screwed very easily and quickly in the snow. By this light and uncomplicated anchoring the gates sit bomb-proof without large burying, icing etc.. The dismantling works again very fast and easy.

NEW: SNOWCASE / TARPAULIN

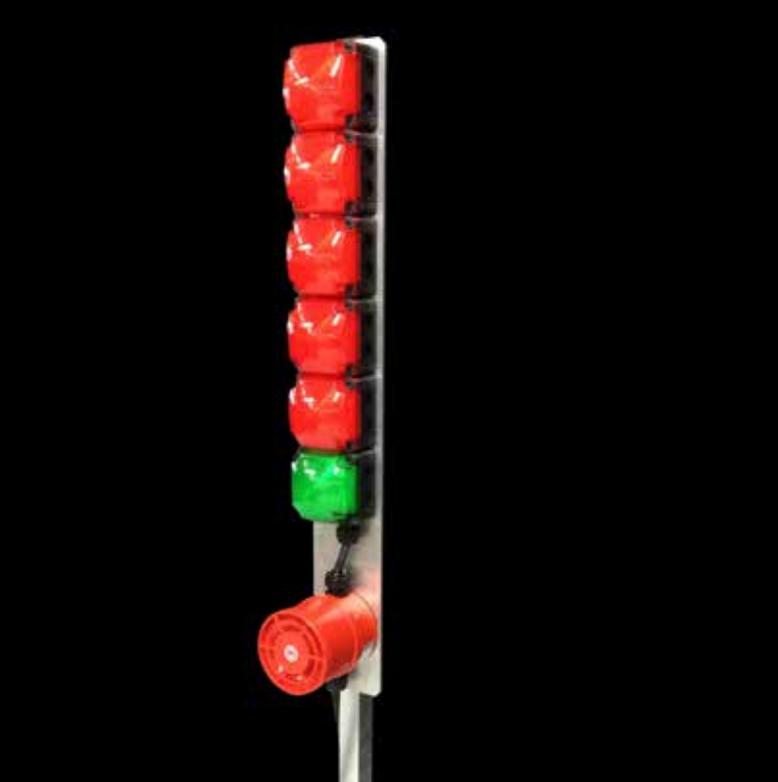
Lightweight cover made of sail material that covers the complete equipment during the race days. This means that the starting area is protected and prepared as quickly as possible, even during heavy snowfalls, rain or snow flurries. Available for all gates. Colour black with logo print.

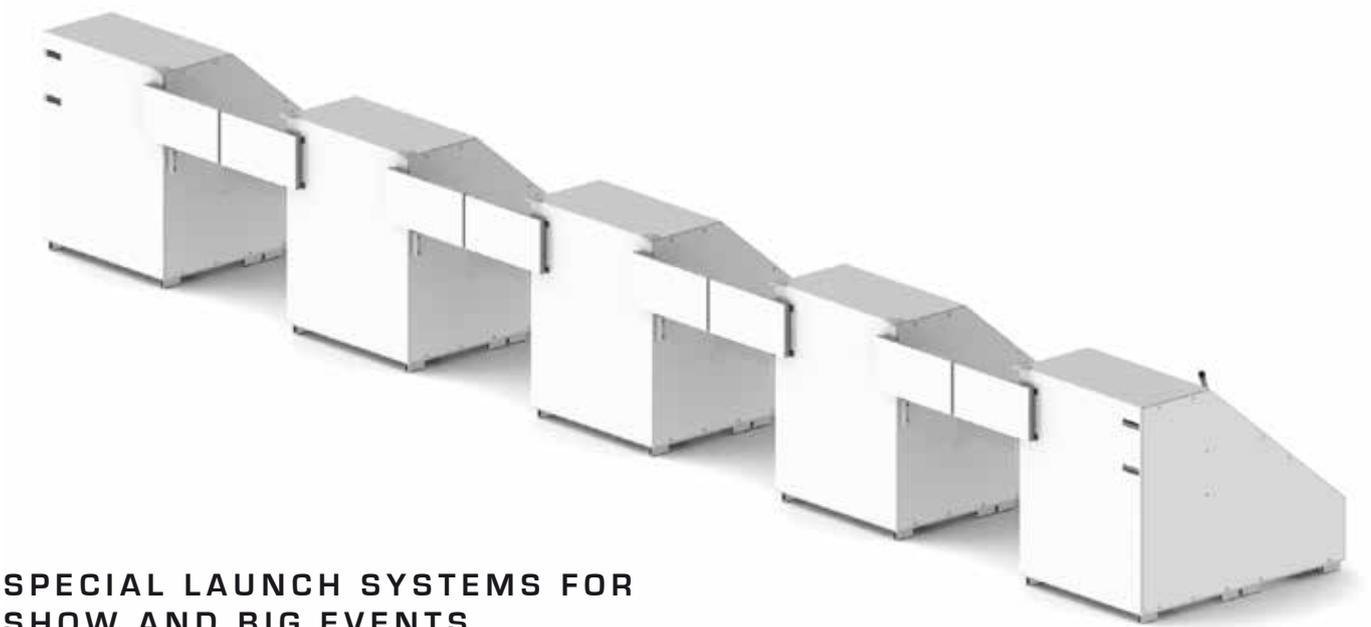
MEASURING INSTRUMENTS AND DEVICES

FIS certified! Measuring instruments for the garment measurement at cross events. Measuring instruments and devices for stand height measurement. Measuring instruments for measuring the panel height

START-UP/TRAINING GATE POLES

The training and push start poles from Settele Startsystems combine the advantages of a easy to hand training possibility with the comfort of a light, transport and stable aluminum construction. Thus it offers the best conditions to prepare for the starting sequence of a ski or snowboard cross competition. The poles, perfect for wax and glide tests as well as acceleration measurements.





SPECIAL LAUNCH SYSTEMS FOR SHOW AND BIG EVENTS

Special designs of our launch facilities for show and big events like:

- Red Bull Crashed Ice
- Mountain Bike World Cup
- Show events for film and TV

TRAINING AND SPECIAL DEVELOPMENTS

We develop tailor-made training equipment and measuring systems for sports federations for the most diverse requirements and respective customer wishes. For example:

- force and explosive force measuring instruments
- starter meters
- summer launch facilities with artificial grass run-out
- and much more...



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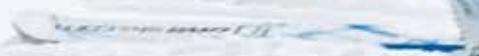
FISUTV

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START

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QUALITY MADE IN GERMANY

The quality of our starting systems is guaranteed by our many years of experience in mechanical engineering as well as by our certified development engineers and manufacturing operations.

The gates of the competition start facilities can be operated both manually with one lever as well as via electronic control systems. They can be opened exactly and without influencing the athletes. False starts are avoided.

Our starting systems are made of stainless steel and light weight aluminium components. This ensures a long service life and highest quality.

SPECIFICATION AN PRICES



Model	Startgate X Cross 4	Startgate X Cross 6	Startgate X Cross Team	Startgate X Cross 4 Paralympics	Startgate X Cross Junior
Discipline	Cross	Cross	Cross Team Events	Cross	Cross
Material	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel

Equipment

Control EDC1	•	•	•	•	•
Control EDC2	–	–	–	–	–
Control EDC3	–	–	–	–	–
Control EDC4	•	•	•	•	•
Release Cylinder	•	•	•	•	•
Traffic Lights & Horn	–	–	–	–	–
Snow Screw	•	•	•	•	•
Battery Pack	–	–	–	–	–
Case	•	•	•	•	•
Bag	–	–	–	–	–
Case El. Equipment	•	•	•	•	•
Case Rel. Cylinders	•	•	•	•	•



**COMING
SOON**



Startgate // Parallel WorldCup	Startgate Parallel // FIS Evolution	Startgate // Parallel FIS	Startgate // Parallel Travel	Startgate // Parallel Modular	Startgate // Parallel Mogul
Parallel	Parallel	Parallel	Parallel	Parallel	Parallel
Aluminum	Aluminum	Aluminum	Carbon	Stainless Steel	Stainless Steel

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REFERENCES



Highlights

- 2010 Olympic Winter Games in Vancouver/CAN
- 2011 Pre-Olympics in Sochi/RUS
- 2014 Olympic Winter Games in Sochi/RUS
- 2015 Skicross/Snowboardcross WC in Kreischberg/AUT
- 2016 Youth Olympic Winter Games - Lillehammer/NOR
- 2018 Olympic Winter Games in Pyoengchang/KOR
- 2019 World Championship Paralympics/FIN
- 2019 Universiade Krasnoyarsk/RUS
- 2019 Junior World Championships/AUT

Skicross World Cup Events:

- Nakiska (CAN), Val Thorens (FRA), San Candido (ITA), Kreischberg (AUT), Are (SWE), La Plagne (FRA)

Snowboardcross World Cup Events:

- Montafon (AUT), Lake Louise (CAN), Vallnord-Arcalís (AND), Veysonnaz (SUI), La Molina (SPA)

Others:

- Plusport Challenge St. Moritz Alpine Skiing WC, Telemark World Cup, German championships in alpine skiing, parallel slalom, German Cup, German Skicross Tour, German Boardercross Tour, Czech Skicross Tour, Red Bull Crashed Ice

movistar

FIS SNOWBOARD WORLD CUP

 BAQUEIRA/BERET

 movistar

 BAQUEIRA/BERET

FIS SNOWBOARD WORLD CUP

 BAQUEIRA/BERET

 movistar

 movistar

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