

Recommendations for the temporary decommissioning of the Skiline systems at the end of the season

Version 03/2018 EN

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1. Contact

The **Skiline B2B Support** is available for questions and assistance with the decommissioning at +43 463 249445 880 or at b2b-support@skiline.cc.

From December 1st to April 30th

From Monday to Sunday 8am to 5pm

From May 1st to November 30th

On weekdays Monday to Friday from 9am to 4:30pm

No support on Austrian public holidays and on weekends

2. General

For Skiline systems that are not in operation during the summer, we recommend that you take the precautions listed in this document to minimize the risk of damage or to slow down the aging process. In particular, this involves four points:

- Minimizing the risk of thermal damage to Skimovie cameras
- Minimizing the risk of damage from indirect lightning
- Slowing down the aging process, reducing soiling and camouflage
- Minimizing the risk of damage to facilities by animals (grazing livestock)

If the entire system or individual parts of the system are dismantled in the summer, this is done at the own responsibility and risk of the operator or owner of the system. In particular, the operator or owner is responsible for ensuring that all necessary safety measures are adhered to and that all precautions are taken so that the system or parts of the system can be rebuilt in the same way again in autumn. In addition, in the section "Dismantling of system components", we give recommendations for the storage and handling of certain sensitive components.

We point out that even if all measures provided for in this document are taken, Alturos Destinations GmbH or Alturos Destinations AG in Switzerland does not assume any warranty for damage. The risk for any damage and the resulting costs are borne by the operator or owner of the system.

3. System Installation Points

The actions described below should be performed at the following system installation points.

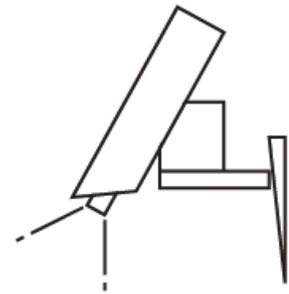
- Starthouse or start pallet
- Startgate or integrated Checkpoint
- Camera mast
- Finish mast
- Photopoint
- Checkpoint
- Terminal
- Skimovie server and router (if they are not installed in a regular and thus protected server room)

Skimovie servers and routers installed in a server room should remain switched on. Additional protection is not necessary in the server room.

4. Risk Minimization

Minimizing the risk of thermal damage to Skimovie cameras

In particular, Skimovie cameras are sensitive to direct sunlight on the camera lens. A longer (> 5 minutes) direct irradiation of the lens must be avoided at all costs, as otherwise parts of the camera may melt (burning glass effect) and irreparably damage the zoom/focus of the camera.



MEASURES

Before switching off the power for Skimovie installations it must be ensured that the main cameras are directed downwards to the ground. To do so, please contact **Skiline B2B Support** at the **phone number: +43 463 249445 880** or **b2b-support@skiline.cc** before the planned shutdown date.

The Skiline Support staff will then point the camera down or park it. Then you can switch off the RCD switch (Residual Current operated Circuit-Breaker) at the cameras and at the start and finish.

Attention: If the power of the camera mast is switched on later, the camera will swing up. In this position, the camera may be exposed to direct sunlight. The above mentioned parking procedure must be repeated in such a case together with the Skiline Support!

Minimizing the risk of damage from indirect lightning

POWER SUPPLY

To minimize the effects of an indirect lightning strike on the system components, the RCD switch (Residual Current operated Circuit-Breaker) must be switched off and protected against being switched on again at all system installation points (see chapter "System installation points"). This is to prevent voltage spikes from reaching the electronic components.

NETWORK SUPPLY

If the network connection of the system installation point is realized by a **copper Cat5e or higher-grade cable**, then the cables leading to and away from the system installation point should be **unplugged from the switch**. If no switch is present, disconnect the cable directly from the control computer (Odysseus).

Cables that only connect components within the system installation point (for example, switch to Odysseus or camera) do not need to be unplugged.

If the network connection of the system installation point is realized by **WIFI or by fiber optic cable**, unplugging the cables is **no longer necessary**. Such network connections are not prone to indirect lightning.

Minimizing the risk of damage to facilities by animals (grazing livestock)

Past years' experience has shown us that grazing livestock likes to rub at installation points, use starting houses as shelters, eat plastic parts (e.g., poles of the target poles) or bite cables. To prevent damage and soiling, it is necessary to **fence all installation points professionally**.

5. Slowing down the aging process, reducing soiling and camouflage

In order to slow down the aging process (UV radiation) and to avoid soiling, we offer tailor-made covers. The covers are made of a UV-resistant material and are green. As a result, the installation points are also well camouflaged. The landscape is only minimally affected during the summer.

6. Dismantling of system components

If the entire system or individual parts of the system are dismantled in the summer, this is done at the own responsibility and risk of the operator or owner of the system. In particular, the operator or owner is responsible for ensuring that all necessary safety measures are adhered to and that all precautions are taken so that the system or parts of the system can be rebuilt in the same way again in autumn. In addition, make sure that the branding elements (stickers, upholstery, launchers) are handled with care. This is particularly important for installations with the branding of our sponsoring partners (for example BMW and Swisscom).

RECOMMENDATIONS FOR STORAGE AND HANDLING OF CERTAIN SENSITIVE COMPONENTS

- All cables and connectors that are loosened should be labelled for rebuilding and stored in a watertight manner (corrosion protection). This is especially true for the cable ends that remain at the installation point.
- All control cabinets should be stored vertically (in the position as they were mounted). Otherwise, a lateral water inlet is possible.
- Before storage, all parts should be dry.
- Skimovie camera masts:
 - Tilting masts should be disconnected from the electricity and tipped before dismantling. Then they should be tilted and transported in one piece.
 - The pan / tilt head may only be moved slowly by hand when power is switched off. Moving quickly can lead to power inductions that damage the head.
 - When storing, make sure that no direct solar radiation hits the camera lens (see chapter "Minimizing the risk of thermal damage to Skimovie cameras")
- Startgate:
 - The startgate is statically not designed for transport in one piece. The 3 parts have to be disassembled and transported individually.
 - If a transport in one piece is necessary, the construction must be strengthened. The corresponding helicopter transport kit can be purchased as an accessory from us.