Largest Ski Resort in Austria Adopts CTS Industrial and Fiber Switch for Ski Lift Network

Background

Skiwelt in Ellmau, Tyrol is the largest and state of the art ski resort in Austria which has 284km of ski runs in Austrian Alps. In order to enhance safety and to provide better service, the resort planned to invest to update its communication infrastructure into fiber in order to overcome longer distances. The City of Ellmau and Skiwelt also developed an application with regional information such as events, special offerings, local weather, and entertainment. Hopefully tourists can access to real-time information anytime anywhere in the resort. Skiwelt needed a solution reliable provider who can help with fulfill this plan...

> We need products that work stable at 50 degrees Celsius as well as in -25 degrees Celsius and CTS has proven that their products are reliable and persistent even in harsh environment like in the Austrian Alps

SkiWelt
WILDER KAISER BRIXENTAL

Johannes Winkler,
Operations Manager, Skiwelt

CTS Products

IPS-3110
8-Port Gigabit 802.3at PoE +
2-Port Gigabit Combo
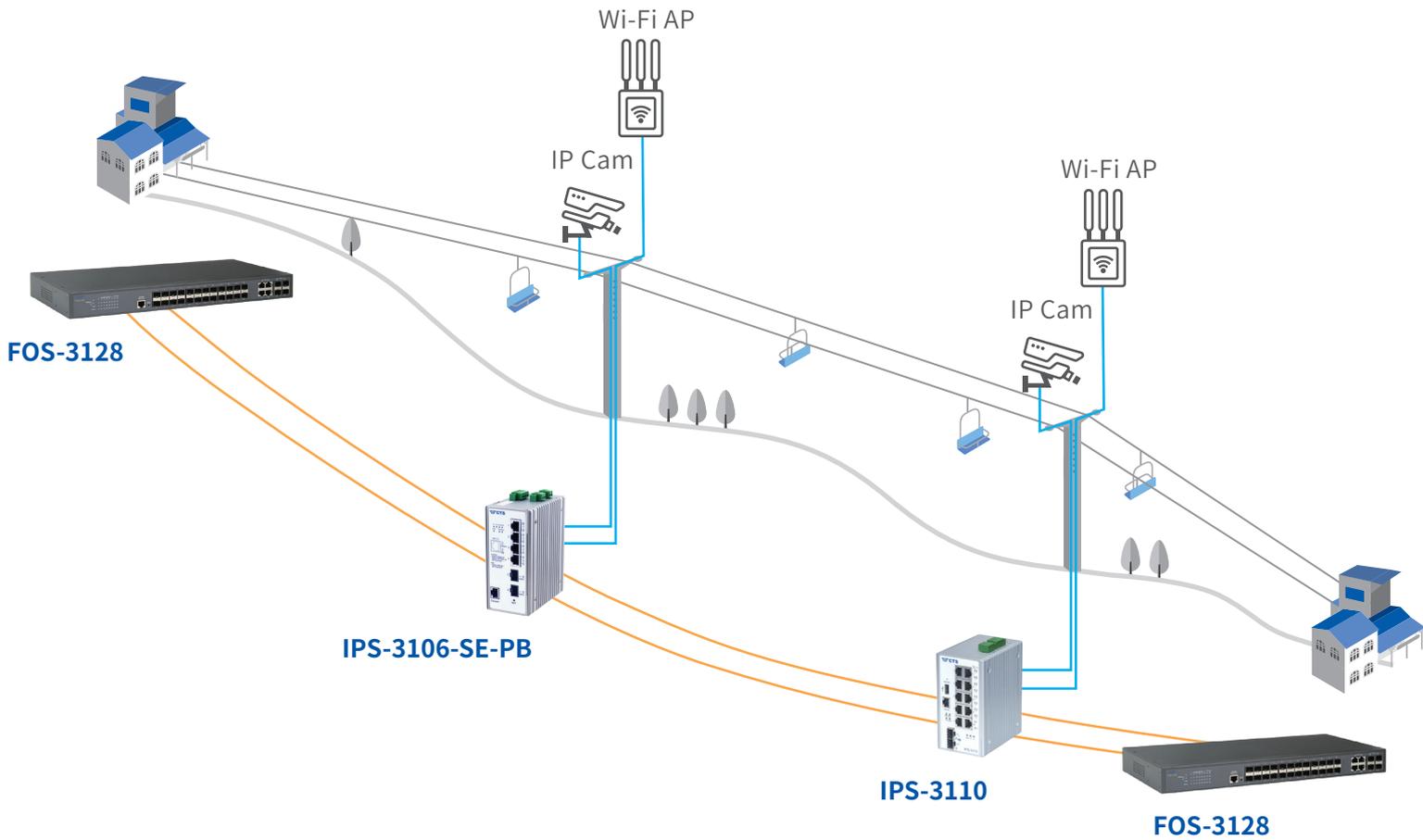Industrial Managed Switch

IPS-3106-SE-PB
4-Port Gigabit 802.3at PoE +
2-Port Gigabit SFP
Industrial Managed Switch

FOS-3128
28-Port Managed Fiber
Access Switch

FOS-3128

Wi-Fi AP

IP Cam

IPS-3106-SE-PB

Wi-Fi AP

IP Cam

IPS-3110

FOS-3128

Challenge

① Build long distance networks along cable car systems with the longest over 3km.

② Lightening can easily strike when devices are being installed on the cable car mask.

③ Outdoor devices have to be able to endure local temperature from -10~26 degrees Celsius.

④ Offer public Wi-Fi along the ski-lift for visitors as well as IP cameras for slop monitoring.

⑤ Provide a stable connection for security and safety control.

Solution & Benefit

① CTS fiber connectivity solution help to overcome the challenge of long-distance transmission.

② CTS IPS-3110 equips with K.21 surge protection to protect devices from damage.

③ CTS industrial solutions is designed to endure harsh outdoor environment and it can operate under temperature from -40 to 75 degrees Celsius.

④ PoE features on both IPS-3106-SE-PB and IPS-3110 ease Skiwelt's effort in deploying Wi-Fi networks along the lifts and IP cameras by the slope.

⑤ Supports redundancy protocol to provide a 24/7 stable security network.