

Another Sky Climber Reference!

Propane-powered Tower Platform, United States of America



- DIVISION:** Sky Climber LLC
- PROJECT NAME:** Propane-powered Tower Platform, United States of America
- APPLICATION:** Extreme height or depth make access to electricity a challenge

The operators of a massive antenna system required a special access solution for a painting project and Sky Climber was happy to help.

The antenna system consists of more than a dozen steel towers, some reaching nearly 300 meter in height. To paint these structures, crews needed a way to not only reach the structure but to also provide a power source at that height. Traditional electrical cords lose power incrementally over every meter of cord distance, and at 300 meters, the loss of voltage would be enough to eliminate ground-sourced power as an option.

Instead, Sky Climber Engineers developed two propane-powered platform systems that solved the electricity problem. Each system used three independently-operated platforms, one for each side of a tower. Each 3-meter SSU platform incorporated two 3-phase LNX 650 hoists, low-profile walk through stirrups, secondary Sky Locks and custom central control Boxes (CCBs). The CCBs controlled the platform movement and the power generators which were tucked under the main platform walkway. The propane-fuelled power generators, similar to those used in forklifts, provided reliable power and allowed crews to perform their tasks safely, even at 300 meters.

This design is ideal for truss-built tower projects and applications where extreme height or depth make access to electricity a challenge.

Vertical Run	300m
Type of platform	Sky Stage Ultra with Low Profile Walk Through Stirrups
Length of cradle	3m
Cradle rated load	540kg
Type of hoist	LNX 650 with Sky Locks, 3Ph
Power Supply	Propane
Norms	UL