

# Mobile SCAD Tower SMT 40

This is a mobile self supported **telescopic tower structure**, designed to accommodate a SCAD Dive SD 40 free fall system. The SCAD net is suspended from the tower feet and is lifted by a four cable electric winch, located on one of the tower feet. The lowering and lifting process each take only 15 seconds. It is designed for use at **fairs and seasonal touristic operations**, that don't allow fixed installations.

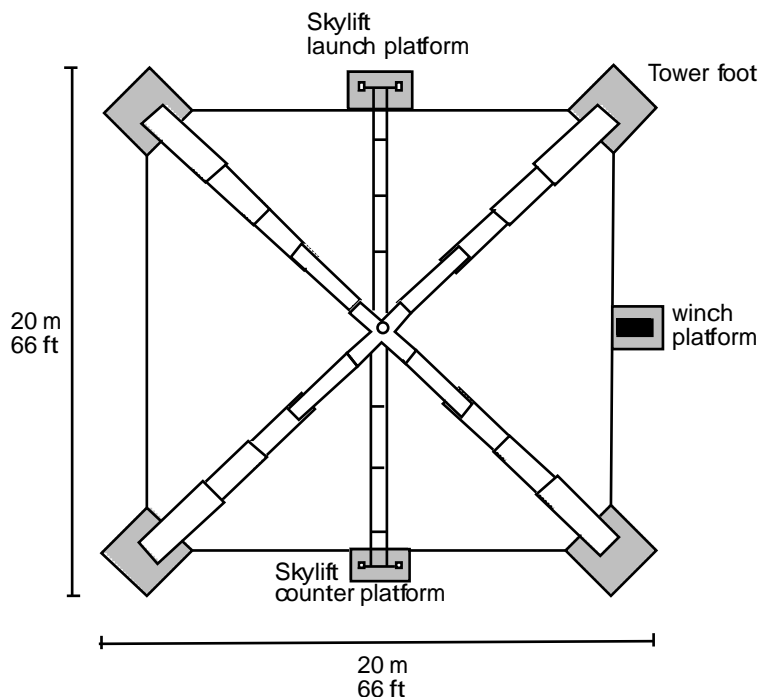
The divers are transported to the tower top by a **unique paternoster lift system**, to which the divers are connected on the ground by the CFF free fall harness. One diver after another hooks up to the lift system every 30 ft. Once the diver reaches the release position at the tower top an operator activates the release. The operator works in a small seat basket at the top, which is accessed by steps outside on one of the tower feet or by the lift system. If the diver decides not to be released, he simply travels back down on the opposite tower foot and the next diver moves 30 ft upwards into release position.

## Set up

The tower is transported on a 40 ft truck with all components. The entire equipment has a weight of 13 tons. Once arrived on location, a crane lifts all 4 tower columns into a cross position on the ground, as well as the control boards for the lift system. The tower tops are bolted together on the ground and all tower feet are connected to each other by steel cables. The crane now simply lifts the tower to a height of 40 m / 135 ft, where all telescopic connections lock themselves. They can not unlock under weight and for set down the procedure is carried out the same way in reverse.

## Technical data

Height:	40 m / 135 ft
Footprint:	21 x 21 m / 69 x 69 ft
Throughput:	60 to 80 persons/h
Power supply:	460 V / 60 Hz / 10,5 Kw
Set up time:	8 hours
Structure:	telescopic truss
Staff required:	4
Harness type:	CFF seat, 2 in 1
Weight:	24 tons
Set up support:	mobile crane 70 ton / 2 hours
Transportation:	40 ft truck and small trailer (not included)



**Additional features:** Mega Splash Pool, Structure illumination, Theming