STALICO®
MOBILE LIGHT & CAMERA TOWERS

PLACEMENT GUIDE

How do you place a mobile tower?

Camera or light tower: from delivery to operation, in five steps.

Everything can be done by just 1 person

A STALICO® tower needs no foundation, no excavation and no fixed posts. With the right preparation, it is stable in no time, with the lights on or the images live in your control room. This guide applies to both camera and light towers and covers everything: from choosing the location to dismantling and moving.

1. Choosing the right location
2. Delivery and positioning
3. Stabilising and earthing
4. Mast up and in operation
5. Dismantling and moving



1 person
is all it takes for the full procedure: from delivery to dismantling

No foundation
extendable outriggers and its own weight keep it stable

± 15 min
from positioning to mast up

Built to keep earning for decades.

www.stalico.com

PREPARATION

1 Choosing the right location

1 person

The location determines how well the tower performs. Choosing well in advance saves time on delivery day and gives you better images and better light.

Firm, level ground

Place the tower on level, horizontal, paved ground that can bear its weight. Is the ground uneven or soft? Then level and pave an area of at least 4 x 4 m, or use ground pads under the outriggers.

View, coverage and light

Camera tower: choose a spot with a clear view over the area you want to monitor. Light tower: position it so the light covers the work area without dazzling traffic or neighbours. Watch for trees, buildings and containers that block view or light, also later in the project.

Safe surroundings

Avoid passageways and areas with heavy traffic. Keep clear of overhead lines and leave room all around for the extended outriggers. If the tower carries lighting, do not place it near flammable material.

Wind and weather

Take the local weather into account. From wind speeds of 85 km/h, lower the mast to half height; from 115 km/h, lower it fully. Never set up or dismantle during a thunderstorm.

Accessible for delivery

Make sure a forklift, a truck with crane or the STALICO® Transporter can reach the location, with a clear and safe zone around the tower during unloading.

Power and network

Is there a power outlet nearby (16 A CEE)? Or does the tower run autonomously on batteries, solar or fuel cell? Also check the mobile coverage for the router.



Optional ground pads spread the load of the outriggers on soft or uneven ground. Fitted with a handle, easy to carry.

Solar tower? Panels facing south

A solar tower delivers the highest yield when the panels face south (in the southern hemisphere: north). Choose a spot without shade from buildings, trees or containers, also in winter, when the sun is lower.



S point panels south



2 ON SITE
Delivery and positioning

1 person

- **Move it closed.** Mast fully retracted, outriggers retracted and locked, door closed and all cables disconnected.
- **With a forklift** via the fork pockets, using forks at least as long as the pockets. Drive in reverse, so the tower cannot slide off the forks in an emergency stop.
- **With a crane** via the central lifting eye in the hinged lifting bracket. Make sure the bracket can hinge freely.
- **With the STALICO® Transporter:** a trailer with hydraulic forks, towed by a car or light truck. One person loads the tower and sets it in place, with no forklift or crane on site.
- **Nobody under the load** and a clear zone around the forklift, crane or Transporter.
- Set the tower down **straight and in its final position**: it cannot be shifted once the outriggers are extended.



By crane: several towers per trip.



With the STALICO® Transporter: no forklift needed.

3 STABILITY
Stabilising and earthing

1 person

- **Extend the four outriggers** and lower them to the ground with the crank. Anticlockwise: outrigger down. Clockwise: outrigger up.
- **Use ground pads** where needed, always with the outrigger in the centre of the pad.
- **Level and plumb.** All outriggers bear with sufficient pressure and the mast stands perpendicular to the ground.
- **Earth before you connect.** Connect the earthing point on the frame to a ground rod driven at least 1 m into the ground.
- **Make it visible.** The outriggers have yellow-black markings. Keep them clear and route cables away or under cable protectors to prevent tripping.



A Set down: closed and compact.



B Outriggers out and on the ground.



C Mast up: ready for use.

Shown: STALICO® Solid. Values apply to the Solid; always follow the manual for your model.

START-UP

4 Mast up and in operation

1 person

- **Open the door** and secure it in the open position.
- **Aim the cameras or lights** in the right direction while the mast is still low.
- **Raise the mast** with the crank on the hand winch, up to the red marking. Then turn back two turns, so the mast sections are not under tension. Make sure the coiled cable runs freely.
- **Connect the power supply** to the IN socket, or check the batteries, panels or fuel cell on an autonomous tower.
- **Camera tower:** check the router and the mobile connection.
- **Light tower:** switch on the lights and check that they cover the work area. Never look directly into the lamps.
- **Stow the crank**, close the door and lock both locks.



Behind the door: the winch, the E-cabinet and the batteries.

Camera tower: contact the control room

Is the tower connected to a control room? Then call or email before you leave. Have them test the connection and confirm that images are coming in, the cameras show the right area and alarms come through correctly. Only then is the tower truly live.

✓ Live
connection, images and alarms confirmed

NEXT SITE

5 Dismantling and moving

1 person

- Dismantling is done in **reverse order**. First disconnect the power supply and the connection cables.
- **Lower the mast fully.** Watch out for lights or cameras that drop to just above the frame, and for the coiled cable.
- **Outriggers up, retracted and locked.** Ground pads back on their hooks, crank in its place.
- **Door closed and both locks locked**: the tower is ready for transport.
- **Storage:** stackable up to two high, on level ground and sheltered from the wind. Never transport stacked.



Stacked two high in storage.

One person, the full procedure.

From positioning to raising the mast with the hand winch: you can do everything in this guide on your own, with no extra manpower. Every tower comes with a manual. On request, our specialists train your team, on site or at our premises in Beerse.

Built to keep earning for decades.

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