



RAISING PERFORMANCE  
WITH THE PUSH OF A BUTTON

# C-UAS TOWER APPLICATIONS

Counter Unmanned Aircraft Systems (C-UAS) is the largest growing sector in the global aerospace industry. Drones are commonly used for intel gathering and as attack vehicles for terrorism and in wartime operations. As a result, we face a greater security threat than ever before.

This is why C-UAS capabilities have become increasingly essential for security. C-UAS utilizes radars, cameras, sensors, and jammers to maintain safety and increase security. Radar and RF detection are currently the most popular methods to detect drones and can be used in multiple environments to enhance security. Tower Solutions has elevated military C-UAS applications worldwide. Want to know how we can help?

[Read on and consult with us today.](#)

## How Tower Solutions Helps Your C-UAS

Did you know that for every 8 inches of extra elevation, you can theoretically see an additional mile due to the curvature of the earth? Leveraging a tower to raise equipment means increased range as well as the ability to see over obstructions. Our towers are ideal for implementing C-UAS systems for base protection, force protection, convoy, or large events by allowing relocatable rapid deployment and high elevations to increase your range. We offer towers that can be fully-tailored for better surveillance and protection needs. You can see all our [surveillance applications here.](#)



Go to  
[towersolutionsinc.com](https://towersolutionsinc.com)  
for more information



SURVEILLANCE



COMMUNICATIONS



TACTICAL SUPPORT



LIGHTING

Our towers raise your surveillance equipment—whether it be radar, EO/IR surveillance, C-UAS, or communication equipment—to better detect, classify, identify, and relay information about possible threats to your control center. Need silent operations? Our STS series towers can be mounted in a truck with optional battery systems so that the system can operate without engine/generator operation. The system protects valuable equipment with automatic payload retracting for transport, and automatic leveling features. The tower can be raised and lowered from the truck without the need to step out of the vehicle to set up or tear down.

Tower Solutions helps US Border Patrol with surveillance applications to protect our borders and reduce the instance of illegal activity there. Our self-erecting towers play an essential role in Command, Control, Communications, Computers, Intelligence, Surveillance, and Reconnaissance (C4ISR) operations by enabling better situational awareness, knowledge of the environment and adversaries, and shortening response times with greater ranges.

Lastly, since in these applications you normally have a limited amount of personnel, our towers can help you maximize your force. Most of our towers can be fully deployed and disassembled by just one person thanks to our patented electronic gear technology. Avoid the hassle you would normally experience with telescopic tower designs to raise your C-UAS payload. With Tower Solutions, you'll see productivity and efficiency soar.

## **Our Customizable Solutions**

Let Tower Solutions help improve your surveillance and security. Our team of engineers have the skills, experience, and procedures in place to integrate your systems onto our towers. We fully test towers beforehand so that you receive a complete and reliable system best equipped for your C4ISR needs. Our military-grade towers perform when they are most needed, even in the harshest environments and maintain reliability when it's needed most.

For discrete, mobile reconnaissance applications, we have the STS tower series with the capability to be deployed from the bed of a pickup. Alternatively, the STS-12 offers a stowing mechanism that tilts the radar back into a padded cradle, giving you safe transport at the push of a button. The STS-12 reaches 30 ft in less than two minutes and can lift payloads up to 650 lb. The STS-6 tower is the most compact, quickly deployable, highly mobile system. Mount it on an ATV or other vehicle and elevate C-UAS equipment of up to 150 lb. to 20 ft in less than a minute.

For medium to long-term deployments, the PTM-100, PTX-100, and PTM-130 towers can reach a maximum height of 120 ft in no more than 7 minutes and lift up to 2,000 lb. They are highly configurable and are often used in border security where the surveillance equipment must remain autonomous and be monitored remotely. Upgrade to larger generators, alternative power options (lithium-ion batteries, solar panels, or hydrogen fuel cells), safety options, specific payload mounts, shelters, lightning protection, or other unique requirements you may need.

Call today to review your specifications and get a tower solution for your C-UAS needs.

[You can view our products here.](#)

