

# **PORTABLE TELESCOPING TOWERS**

10m, 20m, and 30m Standard Heights



**N E L L O  
CORPORATION**

[www.nelloinc.com](http://www.nelloinc.com)







## N E L L O CORPORATION

Founded in 2002 by a team of experienced engineering and manufacturing professionals, Nello has grown tremendously over the years. Today we serve a global customer base by designing and producing some of the most innovative structures in the world.

Nello's broad product offering ranges from dish and cellular mounts to large communication towers. Some of our most popular products include: self supporting towers, monopoles, flagpoles, palm & pine poles, guyed towers, portable telescoping towers (COW's), Met towers, residential N series towers, and various other mounts and components.

Our customer base spans from North America to Africa, the Middle East, and Central and South America and includes all major wireless carriers, wind energy providers, government entities, global turnkey providers, military/defense contractors, and tower companies.

With engineering at the core of what we do, Nello has been able to design and develop products that span numerous markets. Using the most advanced software and technology to design products, we bring greater value to our customer through increased functionality and reduced installation time. Key engineering and technology points include:

- Structural design to the latest edition of EIA/TIA-222
- Nonlinear finite element design software
- Expert zoning testimony
- Solid model assembly and fabrication drawings
- Voting member of the Telecommunications industry Association (EIA/TIA)
- Supporting company member of the American Welding Society (AWS)
- Key personnel membership in:
  - National Society of Professional Engineers (NSPE)
  - American Society of Civil Engineers (ASCE)
  - American Welding Society (AWS)
  - Canadian Welding Bureau Certified (CWB)



**NELLO IS A  
GLOBAL LEADER  
IN TOWER DESIGN  
AND MANUFACTURING  
WITH MULTIPLE  
PRODUCTION  
FACILITIES TO MEET  
ALL YOUR TOWER  
NEEDS.**



**SOUTH BEND, IN  
CORPORATE HEADQUARTERS**



**BREMEN, IN  
DISTRIBUTION CENTER**



**BREMEN, IN  
MANUFACTURING PLANT**



**FORT WORTH, TX  
MONOPOLE FACILITY**



# PORTABLE TELESCOPING TOWERS

Our rugged line of portable telescoping towers is designed for the highest in durability and wind load capacity requirements. All structures are designed using the latest codes to the United States EIA/TIA standards to ensure tower integrity. In addition to our standard models, Nello can customize portable solutions for specific tower heights, trailer configurations, security concerns, equipment cabinets/shelters, or generator sets to meet the needs of any project in any environment.

Nello manufactures both a self-guying and an earth guying COW tower to provide flexibility and cost options for our customers. The self-guying unit is perfect for deployment in urban locations, sporting venues, or other areas where foundation permitting is difficult or the footprint is small. The more economical earth guying unit is ideal for rural locations or tower sites that allow a larger deployment area. Some of the standard features on our units include:

- Hot dip galvanized all welded tower components
- Stainless steel lifting cable
- Electric tilt and telescoping (1.5hp motors)
- 28' heavy duty deck over dual axle trailer with electric braking system
- Tandem eye to eye off road suspension  
14,000 to 21,000lb GVW (payload capacity)\*\*
- 48" locking toolbox
- United States Department of Transportation trailer lighting package
- 120v 60hz and 230v 50hz power specifications available

\*\* Two 7,000lb axles on earth guy unit and three 7,000lb axles on self-guying unit

## FOR PRICING, AVAILABILITY & LEAD TIMES, CONTACT:

Nello Corporation  
211 W. Washington St, Suite 2000 • South Bend, IN 46601  
P 1.574.288.3632 • [websales@nelloinc.com](mailto:websales@nelloinc.com)





# **COW TOWER SPECIFICATIONS**

## **TOWER (MAST)**

- Standard heights include 10m, 20m, and 30m towers (custom heights available)
- 36" heavy duty base section
- Hot dipped zinc galvanized tower sections
- Rugged heavy duty outriggers (telescoping and swinging)
- Weatherproof locking control/electrical box
- Section lockout for safety
- 3-arm adjustable antenna mount
- Unit specific guy wire kit
- Acetron guides for smooth operation
- Self-locking gear box to prevent collapse with loss of power
- 1.5 hp electric tilt and telescope motors
- 120v 60hz or 230v 50hz electric power specifications available

## **TRAILER**

- 28' heavy duty deck over trailer (22' deck)
- Two or three 7,000lb heavy duty axles depending on model
- Electric braking system
- Galvanized I-beam steel trailer
- 2 5/16 adjustable/removable ball hitch with 1400lb capacity
- 9' x 8' open deck space on front of trailer for equipment
- Emergency break away protection
- (2) Heavy duty safety chains
- 3/16" aluminum or steel decking
- (4) bubble levels
- (4) 10ply tires (6 for tri-axle trailers) plus spare
- 48" locking toolbox
- Tool kit
- Operation & maintenance manuals
- US Dept of Transportation lighting (left, right, brake) and reflective stripping

## **OPTIONAL ITEMS**

- Various trailer lengths and types
- Lightning protection
- Aviation lighting
- Cable reel
- Guide rings
- Generator sets
- Equipment cabinets (with integration)

## **OTHER**

- 1 year standard warranty
- Nello International Assistance (NIA)...Nello team member will be on-site to help train or assist with deployment of units (call for pricing)

**EXPERIENCED  
ENGINEERING,  
DESIGN &  
MANUFACTURING  
PROFESSIONALS**



**N E L L O  
CORPORATION**

[www.nelloinc.com](http://www.nelloinc.com)



**N E L L O**  
**CORPORATION**

**CORPORATE HEADQUARTERS**

**211 WEST WASHINGTON ST., SUITE 2000 • SOUTH BEND, IN 46601**

**574.288.3632**

**TOLL FREE 800.806.3556**

**FAX 574.288.5860**

**WEBSALES@NELLOINC.COM**

**WWW.NELLOINC.COM**