

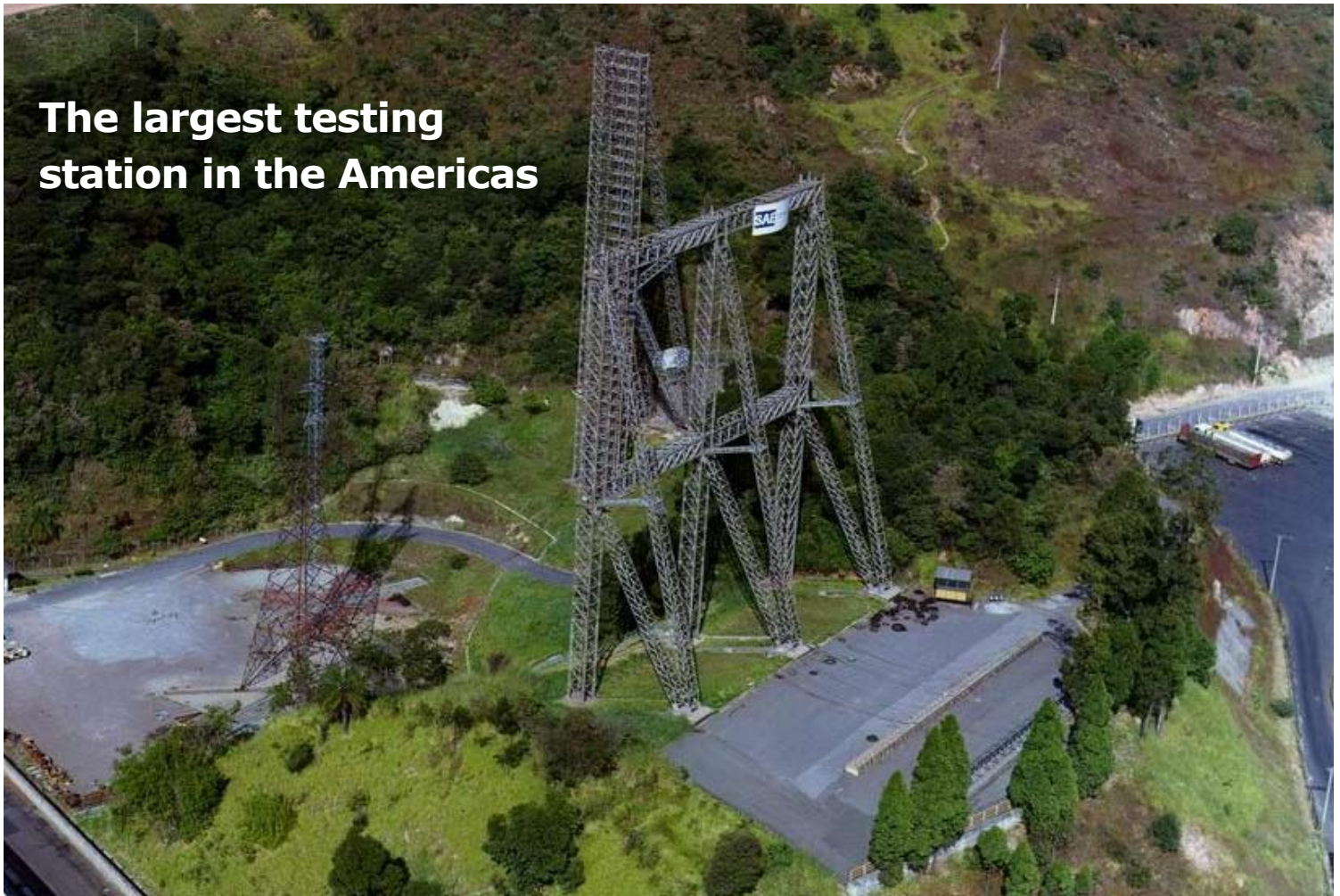


# Tower Testing



**We have tested more than 600 towers since 1970, generating reliable results for our customers throughout the Americas.**

**The largest testing station in the Americas**



## **The stakes couldn't be higher.**

Public safety, continuity of service, environmental impact, compliance with governmental regulations, revenue stability—it all depends on the reliability of your transmission tower design. Taking the step from the theoretical to the actual requires thorough testing that accurately simulates the various wind, ice, snow and other environmental conditions that your structure will experience. Before you give the green light to a challenging, high budget transmission line investment, you need to be sure. You need to have confidence that your design will hold up even under the most extreme conditions.

SAE Towers' unparalleled combination of tower testing capability, capacity and experience can make your decision easier, better informed and justified. We have tested more transmission towers than any other company in the Americas.

Quality. Reliability. Timely Delivery.



We perform full-scale prototype testing on a wide variety of structures—including poles, guyed towers and self-supporting towers—accommodating heights up to 246 feet and simulating the conditions and variables that concern you most. Total transverse loads of up to 620 kips and longitudinal loads of up to 490 kips can be applied simultaneously. A secondary pad allows us to facilitate pre-assembly and reduce testing lead time. In terms of the heights and variety of structures we can test, the load capacities we can apply, the number of tests we have successfully performed and the reliability of our results, we are the unquestioned leader in the Americas.

### More than 100 different utility companies have utilized our testing services since 1970.

Theory confirmation, design adequacy, decision and investment justification—our tower testing delivers it all. Those are the objectives. Long-term reliability is the predictable result.

If SAE Towers tested it, you can be sure.



#### Both of our plants have earned the following certifications:

- Quality Management Systems  
*ISO 9001:2000*
- Occupational Health & Safety  
Management Systems  
*OHSAS 18001:2007*
- Environmental  
Management Systems  
*ISO 14001:2004*



### Tower Testing Maximum Capacities:



- Uplift/footing: 900 kips (4,000 kN)
- Compression/footing: 1,010 kips (4,500 kN)
- Base width: 85 feet, 4 inches (26.0 m)
- Tower height: 246 feet (75.0 m)
- Overturning moment at base:  
116,000 ft.-kips (157,000 kN-m)

Meeting the challenge of today's fast-growing demand for quality, reliability and timely delivery requires a unique combination of capability, capacity and experience.

#### It's all here!

- All the capabilities, capacity and experience you're looking for.
- All in house.
- All in the Americas.
- All of it integrated and ready to deliver your Optimized Transmission Structure Solution.

*We have what it takes to get the job done.*

### SAE Towers

The largest steel lattice producer in the Americas providing Optimized Transmission Structure Solutions through world-class in-house capabilities.

- Field-Fit Constructability
- Cost Effectiveness
- Weight Efficiency
- Shorter/Simpler Transaction Cycles
- Improved Live Line Maintainability
- Long Term Reliability

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



SAE Towers  
1235 North Loop West, Suite 200  
Houston, TX 77008 USA  
Tel: +1.281.763.2282  
Email: [info@saetowers.com](mailto:info@saetowers.com)

SAE Towers Mexico  
Arco Vial Saltillo-Nuevo Laredo Km. 24.1  
C.P. 66050-79 Escobedo, N. L. Mexico  
Tel: +52.81.8245.6100  
Email: [info@saetowers.com.mx](mailto:info@saetowers.com.mx)

SAE Towers Brasil  
R. Moacyr G. Costa, 15 - Jd. Piemont  
32680-609 - Betim / MG, Brasil  
Tel: +55.31.3399.2700  
Email: [info@saetowers.com.br](mailto:info@saetowers.com.br)