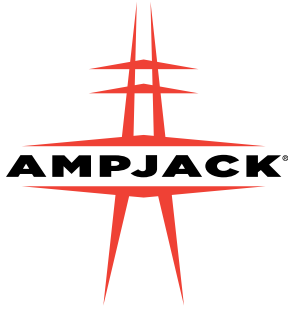


## Company Overview

**Ampjack Industries Ltd.**  
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[info@ampjack.ca](mailto:info@ampjack.ca)





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**Ampjack Industries Ltd.** is a North American-based engineering firm headquartered in Winnipeg, Manitoba, specializing in innovative solutions for the electrical transmission industry. Established in 2013, the company focuses on enhancing the capacity and reliability of existing transmission infrastructure without the need for service interruptions.

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### **AMPJACK® Tower Raising System**

Ampjack's flagship technology, the AMPJACK® system is a modular hydraulic lift system that enables the elevation of transmission towers while they remain energized. This approach eliminates the need for costly and disruptive outages, allowing utilities to increase tower height in five-foot increments to accommodate higher-capacity power lines.

### **Corrosion Services**

Ampjack offers comprehensive corrosion services for steel transmission structures, including inspection, design, installation, and repair of protective coatings and cathodic protection systems. Ampjack's NACE-certified team provides tailored corrosion management programs to extend asset life, ensure structural integrity, and minimize maintenance disruptions.

### **Engineering Consulting**

Ampjack's tower engineering team offers specialized consulting services, including PLS-CADD and Tower modeling, Finite Element Analysis (FEA), structural analysis, and failure analysis. These services help utilities optimize tower design, evaluate structural performance, and implement safe, cost-effective solutions for existing transmission infrastructure.



### **exogrid™**

An eco-friendly solution designed to enhance grid capacity by reinforcing existing towers using an exoskeleton, reducing the need for new right-of-ways. exogrid™ minimizes environmental disruption and can accelerate project timelines by reducing permitting and land acquisition.

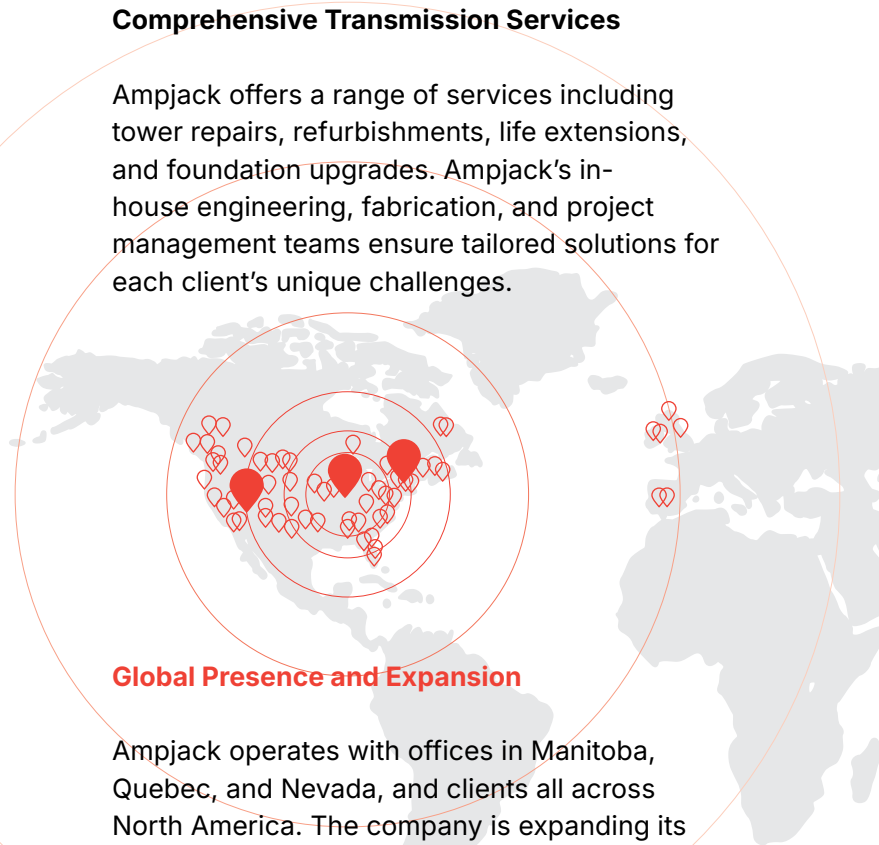


### **Comprehensive Transmission Services**

Ampjack offers a range of services including tower repairs, refurbishments, life extensions, and foundation upgrades. Ampjack's in-house engineering, fabrication, and project management teams ensure tailored solutions for each client's unique challenges.

### **Global Presence and Expansion**

Ampjack operates with offices in Manitoba, Quebec, and Nevada, and clients all across North America. The company is expanding its footprint overseas, with projects in Europe and beyond, focusing on remediating, upgrading, and life-extending transmission structures to meet the growing demand for reliable and sustainable energy infrastructure.





## Energized Tower Raising

- Lattice, Tubular Steel and Guyed Tower compatible.
- A fully engineered EPC solution, combining advanced PLS modeling, structural and foundation analysis, and precision extension design with complete construction plans, training, and support.
- It is fully modular and is engineered to lift just about any tower design, from simple, single circuit towers to complicated, multiple circuit towers.



- Upgrade existing towers using strengthening exoskeleton technology to increase grid capacity using existing right-of-ways.
- Compared to wreck-and-rebuild, exogrid™ saves cost, time, permitting, and downtime.
- Rerate towers for higher wind loads, ensuring they can withstand extreme weather conditions and reduce the risk of outages.

## Guyed Tower Foundation Repairs

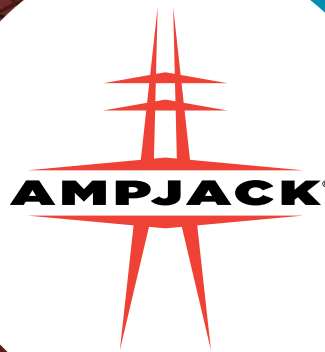
## Customized Construction Tools & Methods

- Above and Below Grade

## Corrosion Inspection & Repair

## Foundation Inspections, Repairs, and Upgrades

## Cathodic Protection Design and Installs





## AMPJACK® tower raising



### Safety is #1.

Lineworkers never work with a suspended tower load overhead.



Since the **towers remain energized**, scheduling can be flexible, revenue keeps flowing, and work planning is much easier.



### Tiny footprint.

Less heavy equipment, less right-of-way damage, and easier to acquire work permits.



Finish projects sooner by working on several towers at once; Ampjack systems can be **deployed in multiple locations**.



Tower in a **remote location**? Not an issue for Ampjack. All necessary equipment can be heli-lifted in. No roads required.

## A fully engineered solution

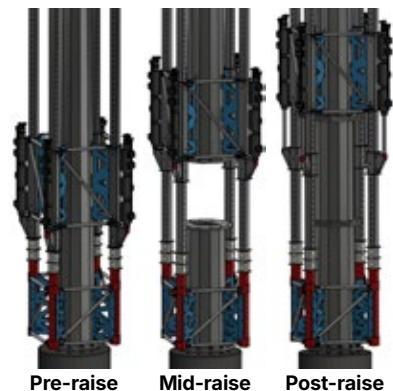
We gather utility data, confirming thermal rating and lift height requirements, and develop precise PLS-TOWER models. We tailor **AMPJACK®** load calculations, with full structure and foundation analysis to ensure safety and integrity.

Our team designs seamless tower extensions and upgraded PLS models, fabrication drawings, and detailed construction plans.



## Tubular steel raising

- Monopoles
- H-Frames
- Direct embedded
- Piered foundations



## Corrosion repair services

- Non-destructive testing
- Engineering tower upgrades
- Above and below-grade steel inspections
- Cathodic protection design and installation
- Development of maintenance programs
- Geotechnical studies
- Coatings



Before repair

After repair

## Tower repair services

- Emergency repair
- Pre-construction inspections
- Proactive measures
- Custom solutions
- Repair of various causes
- Repair while energized
- Innovative problem-solving
- Long-term maintenance



Before repair

After repair

## exogrid™ grid upgrades



Uses existing right-of-way



Less downtime, more power



Potential for reduced timelines



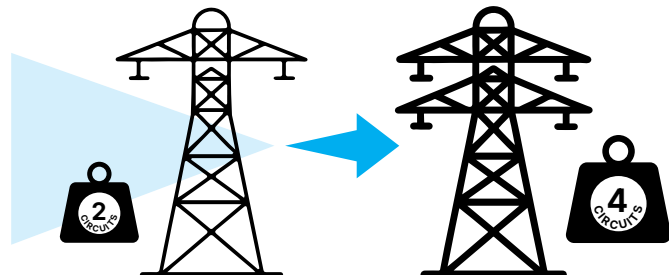
Enhanced grid hardening



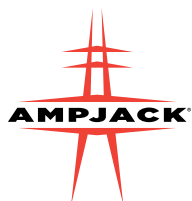
Lower cost for clients & the environment



Significantly reduced permitting



Once a tower's structure has been strengthened by adding an **exogrid™** exoskeleton, the tower can hold additional weight, and allows for upgrades such as bundled or additional circuits.



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