

## PRE-ENGINEERED RELIEF WITH A GREATER LIFE SPAN

The Rapid Response™ product line offers the most comprehensive pre-engineered steel, concrete and hybrid structures in the industry. Ready to meet ever-growing market demands, the Rapid Response V-Series is the answer for current “H” class wood pole replacement. All Rapid Response structures are manufactured to current industry standards, eliminating the guesswork involved in line design and system hardening. The new V-Series line-up includes tip loads up to 20,000 lbs. with total pole heights extending to 140-ft. Benefits include pre-engineered uniformity, reduced maintenance costs, rapid speed to market and increased structural life expectancy.



## THE NATION'S GRID



With a substantial proportion of the nation's transmission grid being supported by wooden poles, the instability of the structure poses a high risk of catastrophic failure. Although utilities are making a conscious effort to replace wood on the grid, traditional steel poles are custom engineered for each application and can consume valuable engineering resources. These engineered resources are in high demand for large KV transmission projects connecting the national grid, leaving little time for the hardening of the system. Pre-engineered class structures expedite line design efforts.

# OUR SELECTION CREATES YOUR SOLUTION

Complete catalog from Class 5 to V-20 available in PLS-POLE for use in quick line design and emergency project response engineering

## MATERIAL OPTIONS

- 12-sided steel
- Round steel
- Spun concrete (H1 and above – up to 140-ft. pole length)
- Static cast concrete (up to 9 kip tip load)
- Hybrid concrete-steel combinations

## FINISH OPTIONS

- Galvanized
- Weathering steel
- Painted
- Normal concrete
- Exposed aggregate concrete
- Stained concrete



## REDUCE RISK. INCREASE STABILITY.

### ENGINEERED PRODUCT

- Rapid Response Class poles (Steel, Concrete and Hybrid) are designed to **ASCE and NESC Standards**.
- Fabrication and quality meet or exceed **AWS and ASTM Standards**.
- Uniform size, taper and repetitive pole design characteristics promote efficient manufacturing processes.

### ENVIRONMENTAL CONCERNS

- Unlike wood, steel and concrete poles contain **no harmful preservative treatment chemicals** to maintain their strength and ensure extended service performance. Construction workers and local residents can touch or handle the poles without coming into contact with toxic substances.

### LOW LIFE CYCLE COSTS

- **The life expectancy of concrete and steel poles is two to three times that of wood**, providing a cost avoidance associated with future installation, maintenance and troubleshooting over the life of the structure.

### MAINTENANCE

- **Eliminates the need for excessive retightening** of hardware due to pole shrinkage.
- No expensive inspection and toxic treatment programs are necessary for steel or concrete pole applications.

### INSPECTION

- Concrete and steel poles require **less invasive inspection techniques** that focus on surface conditions. Advanced inspection techniques for below-grade installations include time-lapse material monitoring systems.

### CLIMBING

- Climbing attachments such as ladders or steps can easily be added to steel and concrete poles.

With 15 distribution facilities throughout North America, Valmont Utility can meet your high stakes delivery challenges and configure an inventory management program so you can operate with full authority to power up and restore.

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