



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.

Delivery Schedule

- Industry leading turnaround times are supported by onsite inventories of steel coil and concrete batch materials at our numerous dedicated steel and concrete utility sites.
- A supply of concrete and steel finished shafts promote rapid response to emergency situations.

Ease of Handling

- Steel poles are at least 50 percent lighter than wood for lower transportation, handling, and construction costs.
- The Valmont Newmark Hybrid pole reduces the overall weight of the structure by utilizing a steel pole on top of a direct bury concrete pole.

Factory Pre-Drilled and Field Drilled

- Pre-drilled concrete and steel poles result in less crew time preparing poles for installation.
- Steel poles offer Knockout™ holes that eliminate field drilling operations and pole whistle by utilizing only the holes required for that installation.
- Both concrete and steel poles can be drilled and modified in the field.

Climbing

- Steel and Concrete poles can easily be climbed by adding optional climbing attachments such as ladders or steps to the poles.

Maintenance

- Valmont Newmark Poles offer a low maintenance alternative to wood.
- Eliminate 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.

Catastrophic Failures

- Concrete and steel poles are less subject to cascading type failures from a single downed pole than wood poles due to the consistent and predictable strength attributed to those products.

Fire Resistance

- Valmont Newmark product offerings are fire resistant and reduce the liability associated with ground and pole top fires, providing greater reliability.

Ground line Protection

- Our concrete poles require no additional ground line protection while our steel product offers options to enhance service life of poles.
- Below grade protection needs to be determined by the utility as it depends on different factors such as soil drainage and soil corrosion potential characteristics.
- The use of galvanization, ground sleeves and 100% solid polyurethane coating have proven to be an effective deterrent against corrosion.

Material Deterioration Solution

- Steel and concrete poles offer a valuable alternative by mitigating pole performance issues caused by timber rot and fungi growth, decay by insect damage, material loss due to woodpeckers and damage due to ultraviolet exposure.
- Concrete poles are also an effective solution to most all corrosion conditions and high moisture content service applications.

Impact Resistant

- Concrete and steel poles offer exceptional resilience to surface impacts from minor handling and transportation damage to extreme events such as vehicle strike incidents.
- The failure mode of concrete and steel materials is different than wood or fiberglass in that the material yields and deforms in shape while typically remaining upright and in service.

Inspection

- Concrete and steel poles offer the value of less invasive inspection techniques and are more focused on surface conditions. Advanced inspection techniques exist for below grade inspection and time lapse material monitoring systems.

Environmental Concerns

- Steel and concrete poles contain no harmful preservative treatment chemicals to maintain their strength and extended service performance benefitting the users of poles in construction and the public domain which may have interaction with poles.

Sustainable Product Cycle

- Steel poles are non-toxic and 75-100 percent recycled steel content at manufacture. They pose no disposable issues and offer a long term solution for regulatory pressures to buy recycled and recyclable materials.
- Steel poles can be re-purposed within their service life and are recyclable at the end of service life.

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.