PREFORMED LINE PRODUCTS
The connection you can count on.

TRANSMISSION LINES and PREFORMED LINE PRODUCTS

COMMUNICATIONS ENERGY SPECIAL INDUSTRIES SOLAR

It all began in the 1940s with a simple idea developed and tested in the basement of company founder Tom Peterson. The idea was that armor rods could be preformed at the factory with an inner helical diameter designed slightly smaller than the cable it was attaching to in order to create a product that could be easily applied yet had an unusually strong gripping force.

It's a long way from problems to ideas to manufactured solution. But PLP's continuing commitment to intensive research and performance testing has resulted in some of the industry's most innovative products.

PLP is recognized today as a world leader in conductor protection support technology and original research. Our numerous patents attest to the emphasis we place on product innnovation.

IT ALL STARTED WITH A FRESH NEW TWIST.

The idea was patented, the company was born, and in 1947, Preformed Line Products began bringing innovative ideas and solutions to the electric utility industry.

Diverse problems that conductors can face such as aeolian vibration, sub-conductor oscillation and galloping have always been the heart of the research and development of PLP's Products.

Research and performance testing in our laboratories includes tension analysis, vibration analysis and control and environmental simulations.

Whether your project calls for upgrading existing transmissions lines or planning and installing new ones, give us a call.

Let us put our years of experience to work for you.

SEE WHY HUNDREDS OF CUSTOMERS WORLD-WIDE COUNT ON PLP EVERY DAY

PLP®

www.preformed.com

Global Presence and Capabilities

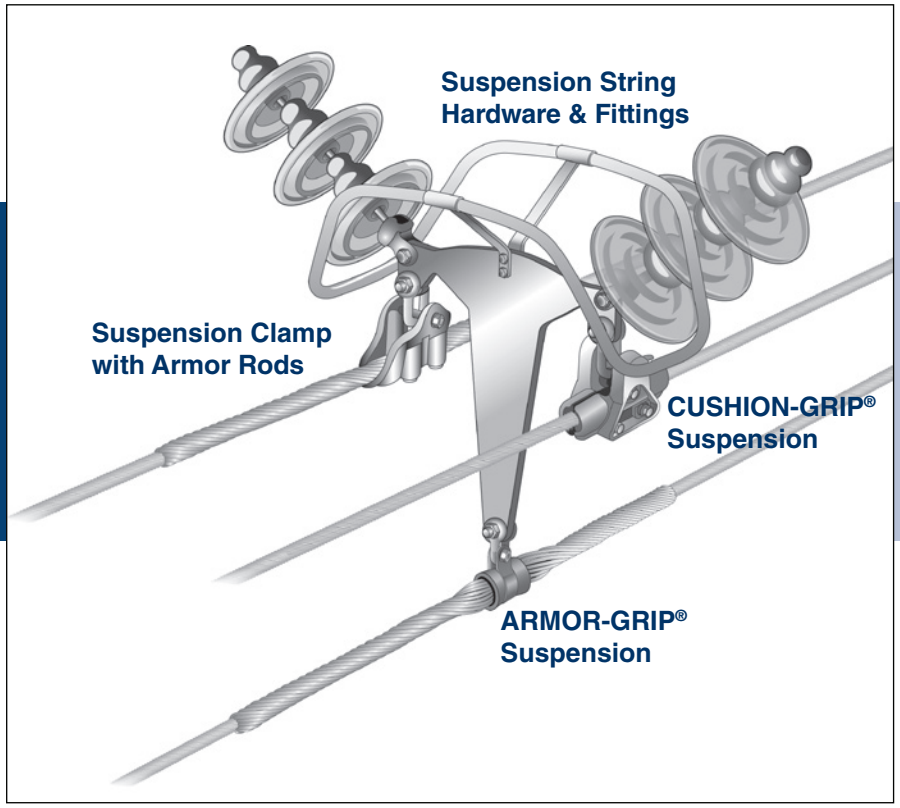
Beginning in the 1950s, PLP began to establish subsidiaries to provide innovative solutions for transmission lines throughout the world.

Company Name	Location	Description	Year Established	
AMERICAS				
PLP-USA	Cleveland, Ohio, USA	World Headquarters and Research Laboratory	1947	www.preformed.com
PLP-USA	Rogers, Arkansas, USA	Manufacturing Plant	1969	
PLP-USA	Albemarle, North Carolina, USA	Manufacturing Plant	1982	
PLP-Brazil	Sao Paulo, Brazil	Manufacturing and Research & Engineering Center	1967	www.plp.com.br
PLP-Mexico	Queretaro, Mexico	Manufacturing Plant and Research & Engineering Center	1968	www.plpmexico.com
PLP-Canada	Cambridge, Ontario, and Lachine, Quebec, Canada	Manufacturing Plant and Research & Engineering Center	1985 2013	www.preformed.on.ca
PLP-Argentina	Buenos Aires, Argentina	Manufacturing and Research & Engineering Center	2012	www.plpargentina.com.ar
EMEA				
PLP-Great Britain	Andover, Hampshire, England	Manufacturing and Research & Engineering Center	1957	www.preformed-gb.com
PLP-Spain	Seville, Spain	Manufacturing and Research & Engineering Center	1960	www.plp-spain.com
PLP-South Africa	Pietermaritzburg, Natal, Republic of South Africa	Manufacturing and Research & Engineering Center	1969	www.preformedsa.co.za
PLP-Poland	Bielsko-Biala, Poland	Manufacturing and Research & Engineering Center	1947 2007 as PLP	www.belos-plp.com.pl
PLP-France	Paris, France	Sales Office	2014	www.plp-france.com
PLP-Russia	Moscow, Russia	Sales Office	2014	www.plp-ru
ASIA PACIFIC				
PLP-Australia	Sydney, Australia	Manufacturing and Research & Engineering Center	1962	www.preformed.com.au
PLP-China	Beijing, China	Manufacturing and Research & Engineering Center	1996	www.plp.com.cn
PLP-Thailand	Bangkok, Thailand	Manufacturing Plant and Research & Engineering Center	1992 2004 as PLP	www.preformed.asia
PLP-Malaysia	Selangor, Malaysia	Manufacturing and Research & Engineering Center	2009	www.preformed.asia/Malaysia
PLP-Indonesia	Bekasi, Indonesia	Manufacturing and Research & Engineering Center	2009	www.preformed.asia/Indonesia
PLP-New Zealand	Auckland, New Zealand	Manufacturing and Research & Engineering Center	2010	www.electropar.co.nz

In its global family of manufacturing facilities, PLP has capabilities and expertise in:

- Wire forming
- Redraw of wire
- Forging
- Stamping
- Aluminum casting (gravity & pressure die cast)
- Rubber molding (compression & injection)
- Plastic molding (extrusion & injection)
- Machining & Finishing
- Galvanizing
- Welding
- Flame cutting
- Tool Making

Suspension Products

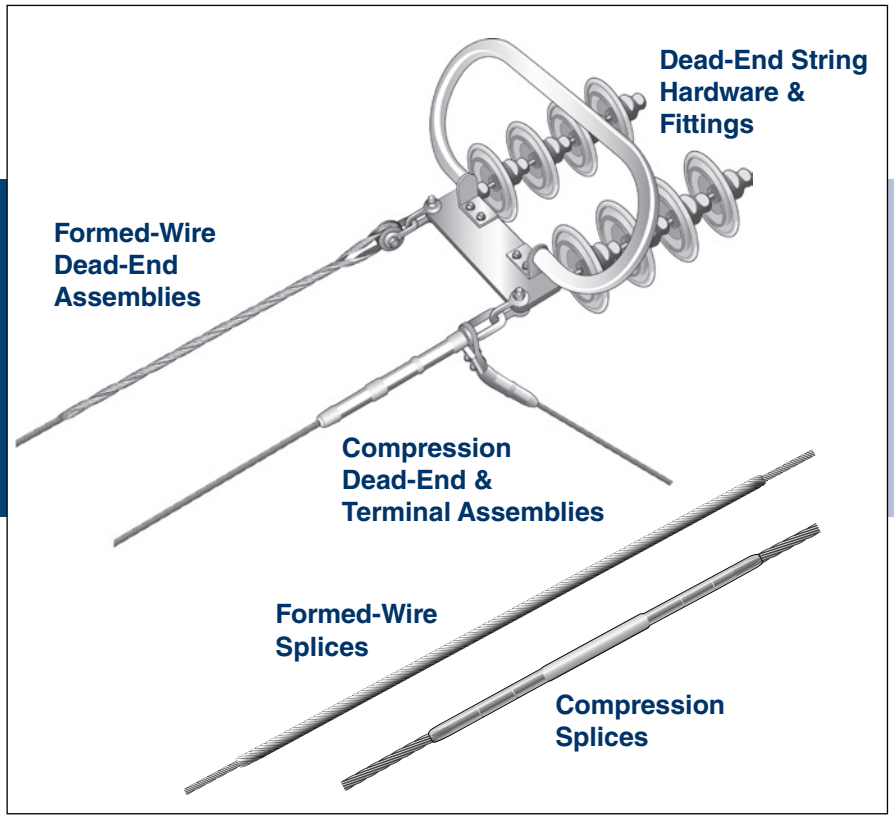


CGS Thermal Rating (Continuous)
Standard 125˚ C HT Version 200˚ C

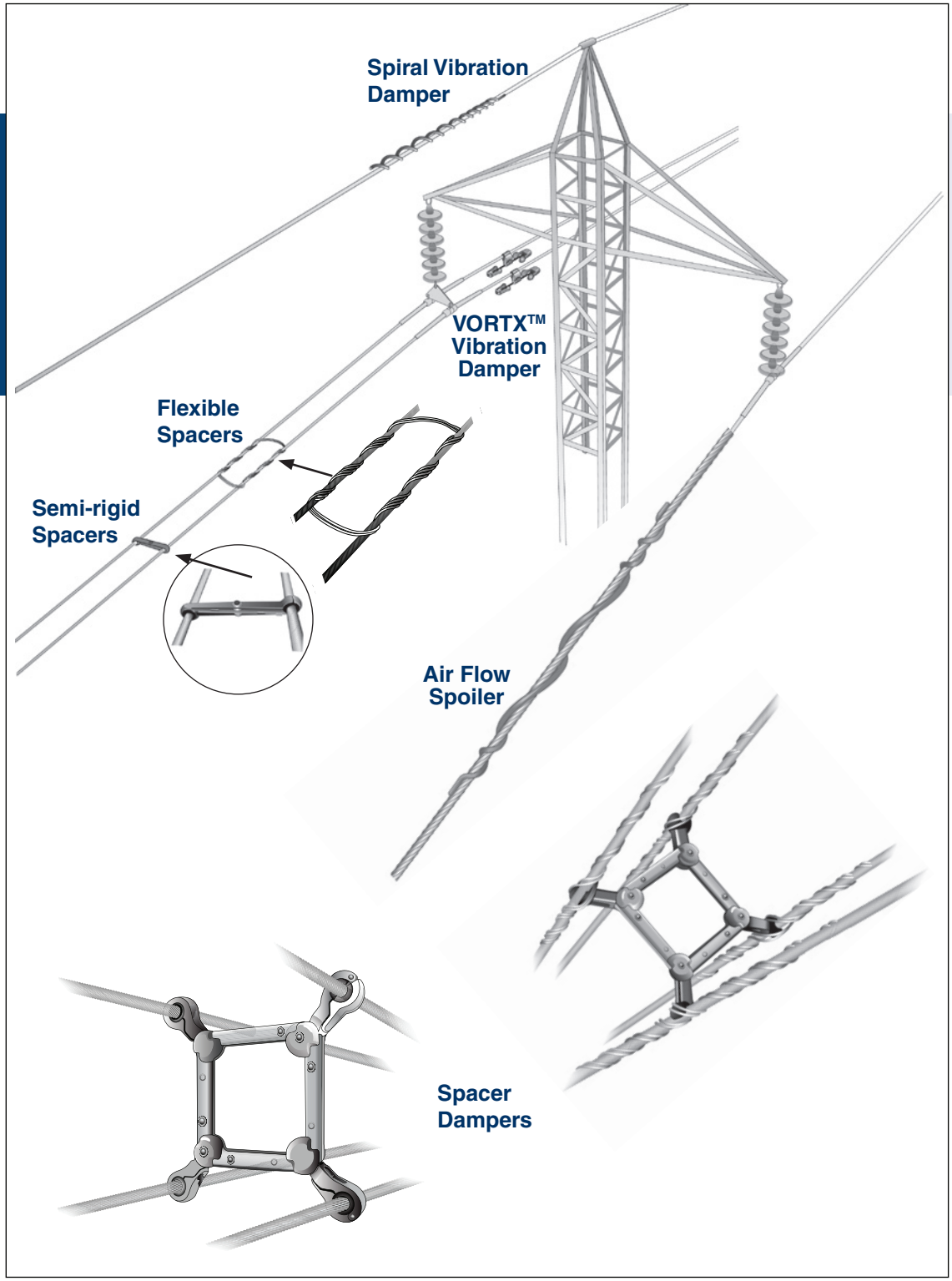
AGS Thermal Rating		
AGS	Continuous*	2-Hour Emergency
Standard	200˚ C	225˚ C
HT	250˚ C	250˚ C

HT: High Temperature

Dead-End & Splice Products: Compression and Toolless



Motion Control Products



Spacer Dampers Thermal Rating (Continuous)
Standard 125˚ C HT Version 200˚ C

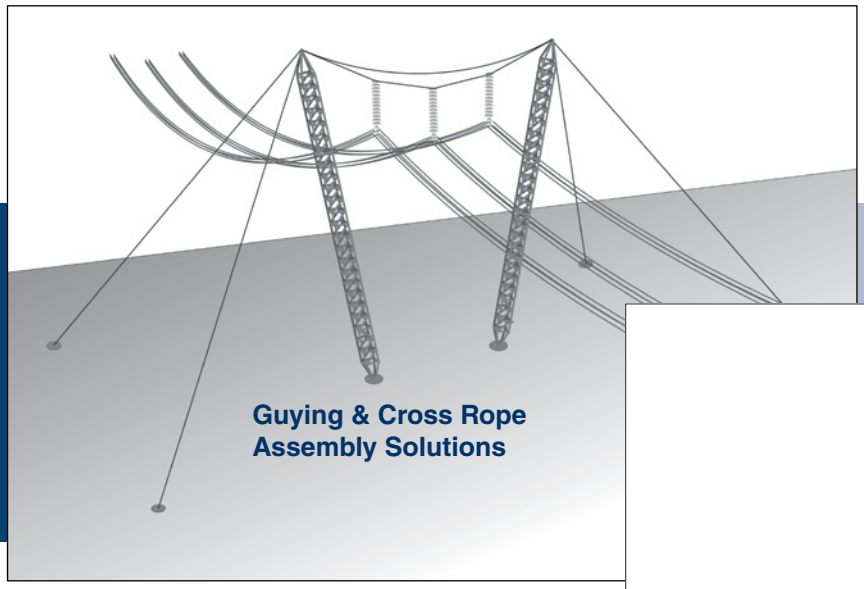
Spoilers Thermal Rating
125˚ C Max

VORTX™ Thermal Rating (Continuous)
Standard 125˚ C 250˚C when applied over Protector Rods

Semi-rigid Spacers Thermal Rating
Standard 125˚ C HT Version 200˚ C

Spacer Dampers Thermal Rating
Standard 125˚ C HT Version 200˚ C

Guying Products



Guying & Cross Rope Assembly Solutions

Big-Grip Dead-end

VARI-GRIP™ Dead-end

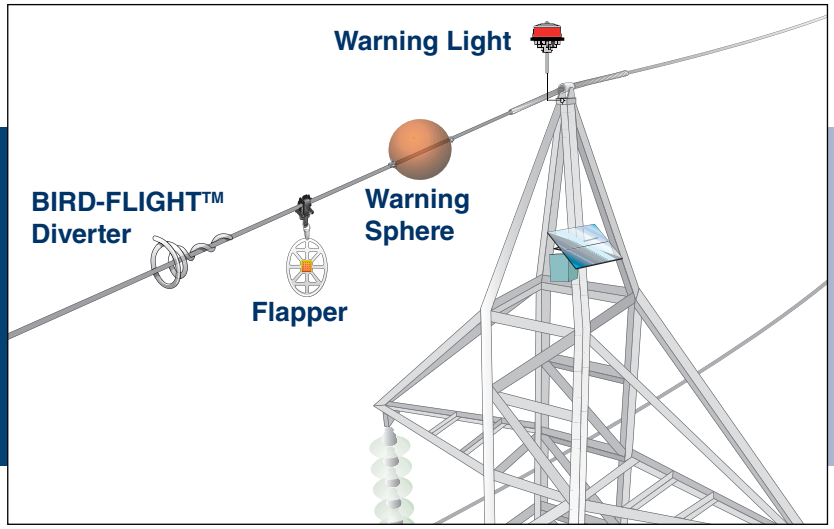
OPGW & OPPC

COYOTE® Stainless Steel Splice Case – OPGW

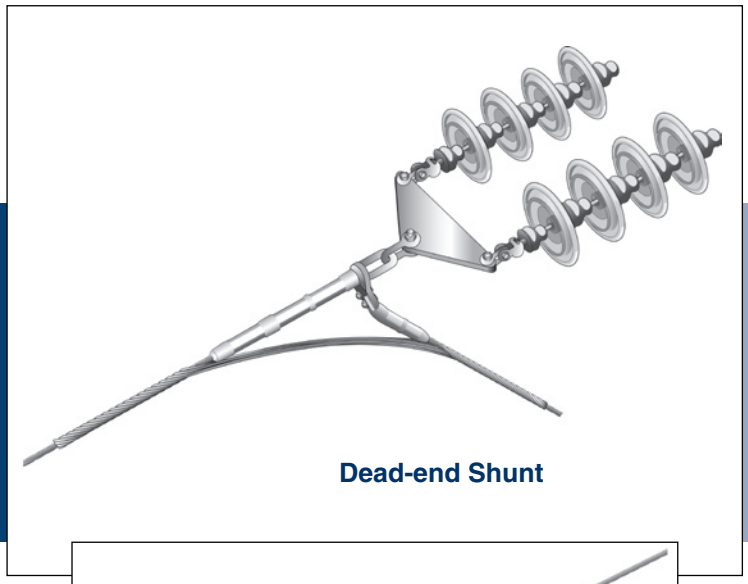
FIBERLIGN® Dead-end – OPGW

FIBERLIGN® Suspension – OPGW

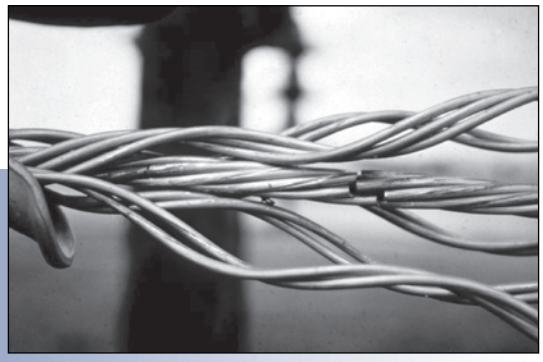
Wildlife Protection & Aircraft Obstruction Warning Systems



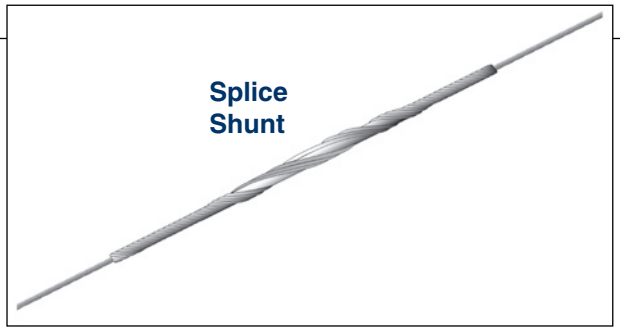
Conductor & Compression Fitting Repair



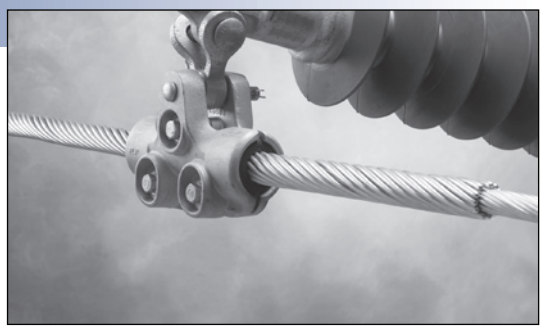
Dead-end Shunt



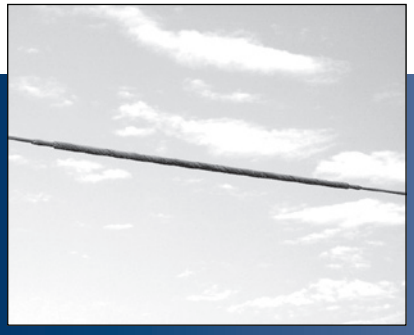
Conductor Repair with CUSHION-GRIP® Suspension or ARMOR-GRIP® Suspension



Splice Shunt



Products for High Temperature, Low Sag Conductors



THERMOLIGN® Splice

THERMOLIGN® Suspension

HTLS Compression Dead-end

THERMOLIGN® Dead-end

- THERMOLIGN® Products
- Semi-Rigid Spacers
- Spacer Dampers
- Compression Products
- AGS
- CGS

Substation Connectors and Busbars

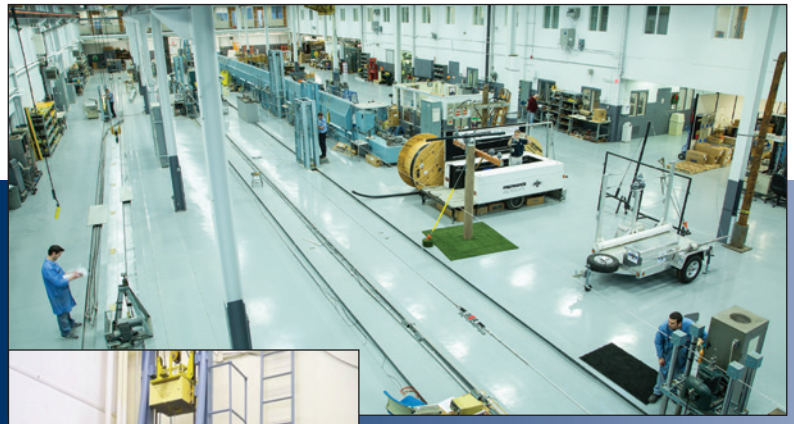
- BUSLIGN™
- SUBLIGN™

PLP® POWERFORMED™ Substation Systems

World Class Laboratory Services

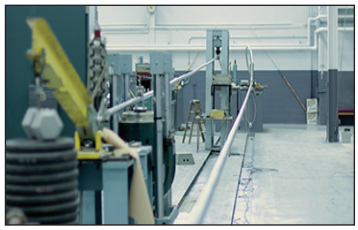
In 2013, PLP increased the capacity of its world class research and engineering facility by 50%. This included 2 new vibration spans and dedicated rooms for environmental and heat cycle testing.

Newly renovated lab at PLP Headquarters



Impact Testing

Tensile Testing



Vibration Span Testing

- Tensile testing
  - *50k lbs. machines*
  - *450k lbs. machine*
- Vibration testing
  - *6 available spans*
  - *Aeolian*
  - *Galloping*
  - *Stress analysis*
- Testing services
- An extensive professional representative network
- Heat profile laboratory
- Environmental laboratory
  - *4 temperature chambers*
  - *Salt fog corrosion chamber*
  - *High voltage chamber*
    - *– 35kV max*
    - *– Wet/dry cycle capability*
  - *Ultraviolet chambers*
    - *– Tag sample (2)*
    - *– Full size product*
- Vibration monitoring
- Product conformance testing

Additional Products & Services

- **Field vibration studies**
- **Customer visitation opportunities**
- **Inspection and assessment of conductor and hardware on existing lines**
- **Hardware for Optical Ground Wire (OPGW) and All-dielectric Self-supported (ADSS) cable**
- **Engineering services**
- **Training**
- **Technical support**

Contact your PLP Sales Representative for more information or visit our website at www.preformed.com.

PREFORMED LINE PRODUCTS

World Headquarters
660 Beta Drive
Cleveland, Ohio 44143

Mailing Address:
P.O. Box 91129
Cleveland, Ohio 44101

Telephone: 440.461.5200
Fax: 440.442.8816
Web Site: www.preformed.com
E-mail: inquiries@preformed.com

© 2014 Preformed Line Products
Printed in U.S.A.
EN-BR-1022
07.14.35C