



**HUBBELL**  
Power Systems, Inc.

# Power Systems

Trinetics™

Fargo®

Anderson™

Ohio Brass®

USCO™

Polycast®

Delmar®

FCA™

Quazite®

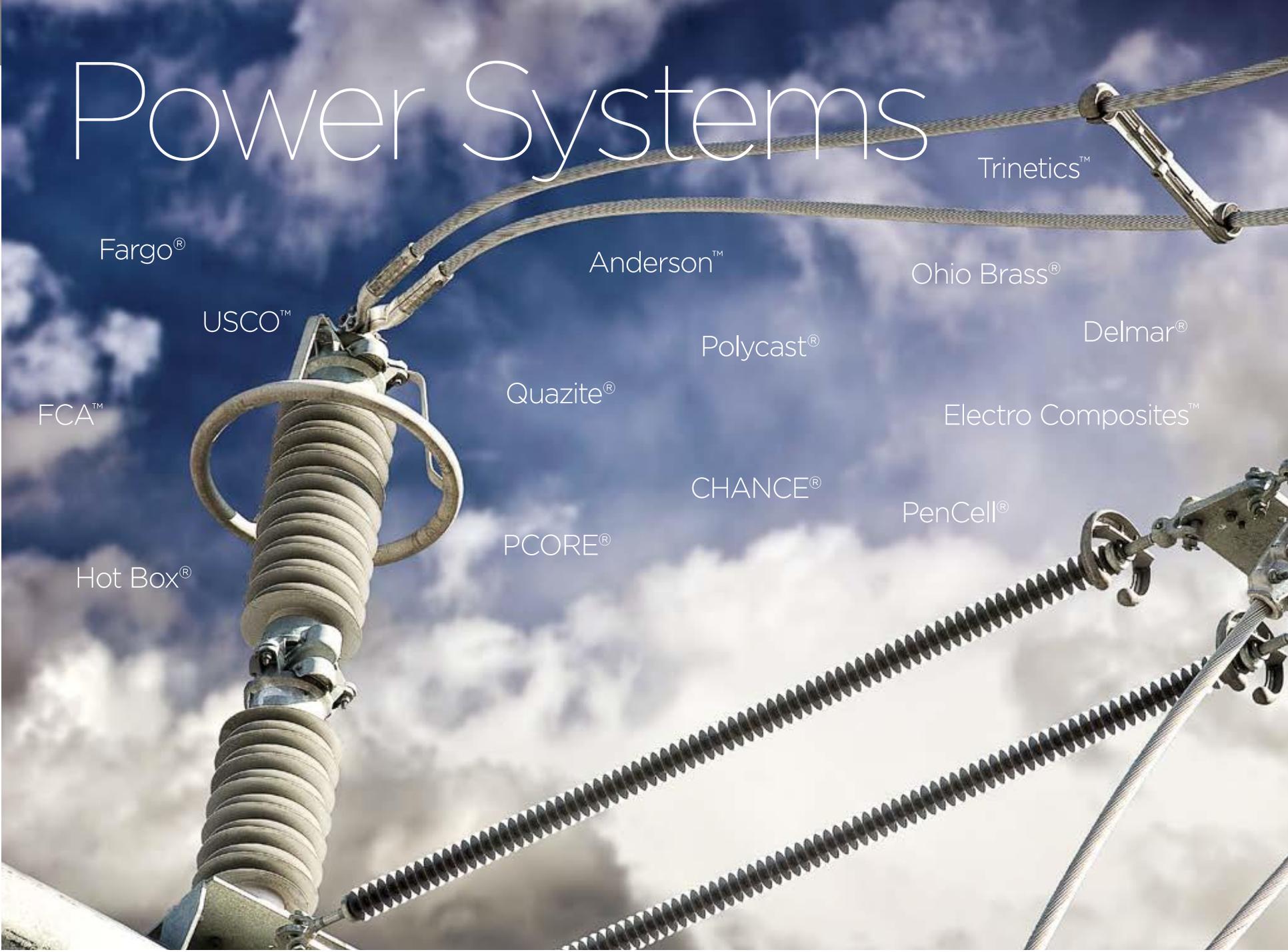
Electro Composites™

CHANCE®

PenCell®

Hot Box®

PCORE®



# Mercados

GENERATION



TRANSMISSION



SUBSTATION



DISTRIBUTION



COMMUNICATIONS



COMMERCIAL & INDUSTRIAL



WATER





hubbelpowersystems.com

# HUBBELL DO BRASIL



Tatui-SP



Curitiba-PR



# Laboratórios BRASIL e EUA



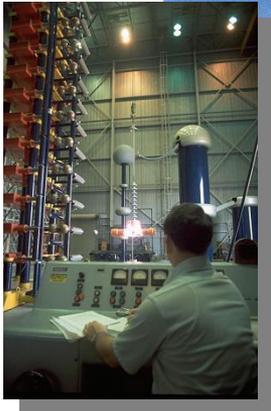
- Laboratório de Alta Tensão  
- Mecânico  
- Alta Potencia  
Centralia-MO



- Laboratório de Alta tensão  
Curitiba-PR



- Laboratório de Alta Potencia  
Wadsworth-OH

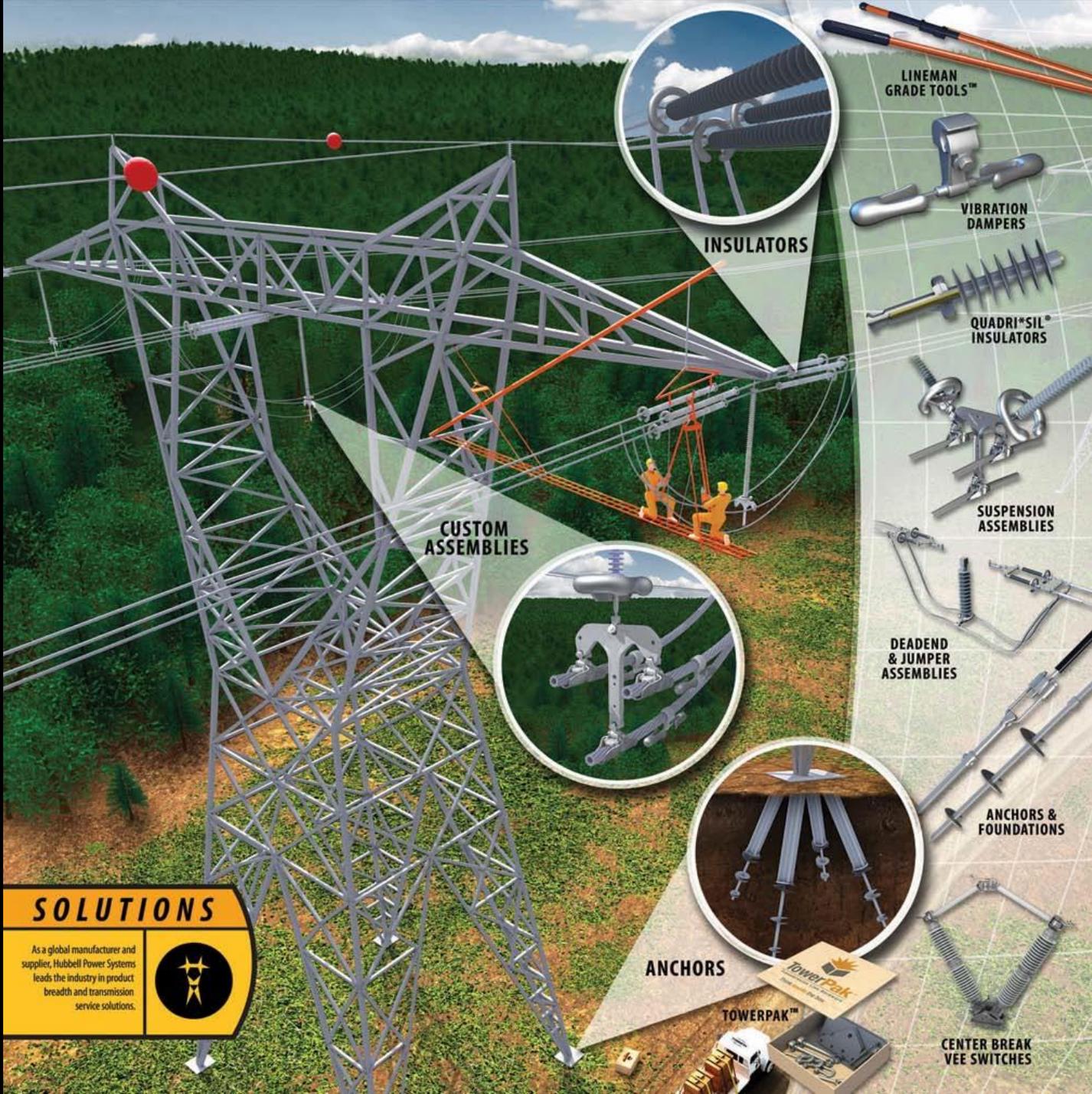


- Laboratório de Alta tensão  
Tatui-SP





# TRANSMISSION



LINEMAN GRADE TOOLS™



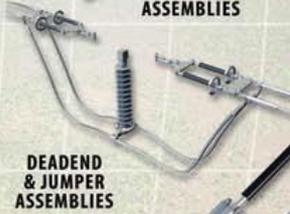
VIBRATION DAMPERS



QUADRI\*SIL® INSULATORS



SUSPENSION ASSEMBLIES



DEADEND & JUMPER ASSEMBLIES



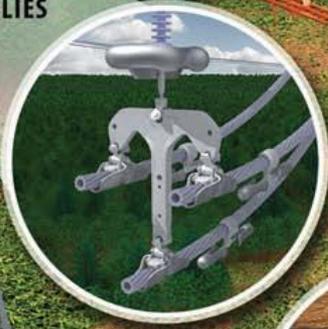
ANCHORS & FOUNDATIONS



CENTER BREAK VEE SWITCHES



INSULATORS



CUSTOM ASSEMBLIES



ANCHORS

**SOLUTIONS**

As a global manufacturer and supplier, Hubbell Power Systems leads the industry in product breadth and transmission service solutions.



- ANCHORS & FOUNDATION
- CONNECTORS & HARDWARE
- FACTORY FORMED DEADENDS
- HOT LINE TOOLS
- INSULATORS
- ARRESTERS

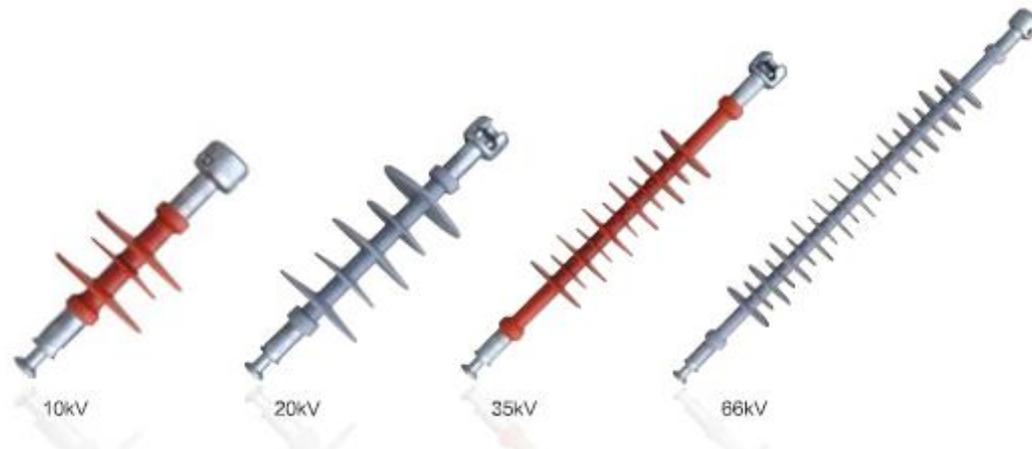
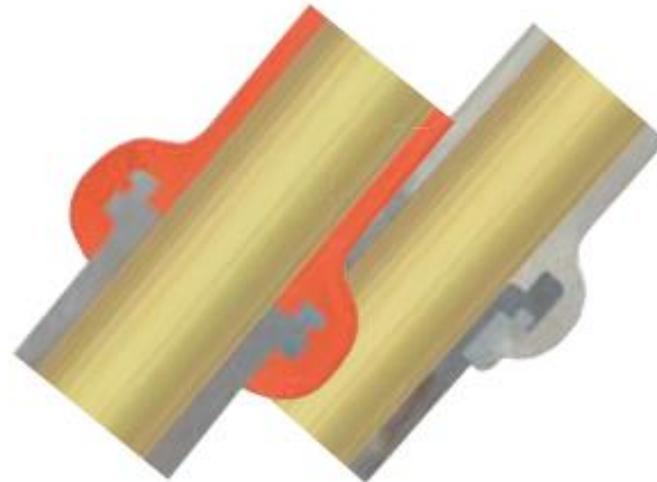


TOWERPAK™

# Isoladores Poliméricos

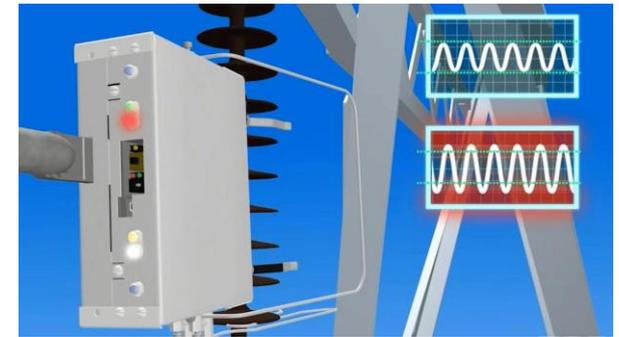
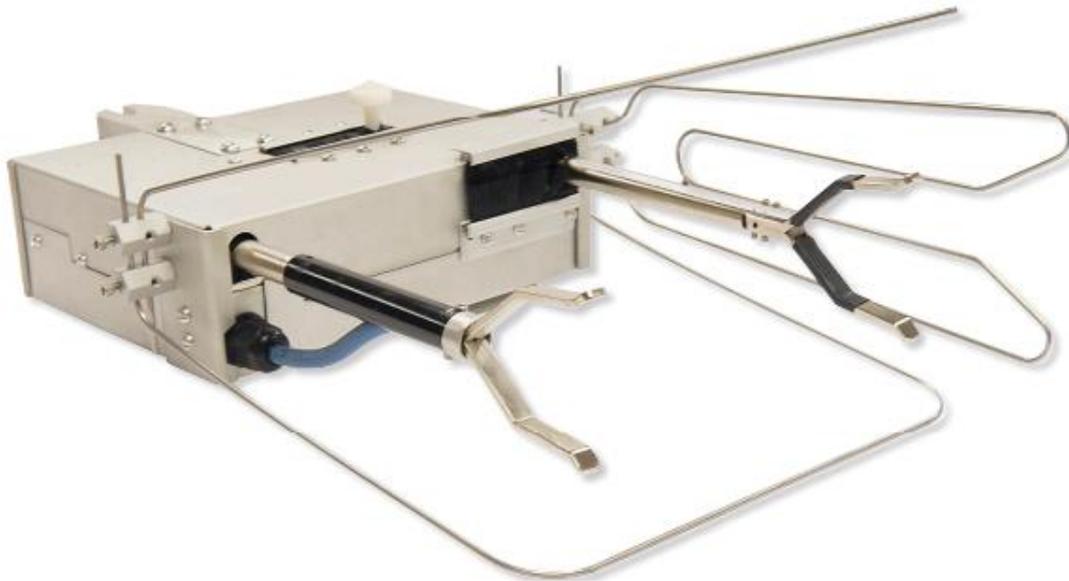
**LONG BOW**

- Até 1000kV DC ou CC



# Testador de Isoladores

- Isoladores Poliméricos
- Energizado
- Desenergizado



# Isoladores de Vidro

 **La Granja** Insulators

## Parceria HUBBELL – Verescence La Granja - Espanha

- Isoladores Padrões, especiais e RTV;
- IEC, ANSI, CSA, BS, NF, UTE, UNE, DIN;
- **40 kN até 400 kN**



# Estacas Helicoidais

- Autoportantes;
- Mastro Central;
- Estais;
- Perfil Quadrado e Tubular;





hubbelpowersystems.com

**OHIO BRASS**

# Para-Raios de Linhas – Protecta Lite<sup>®</sup>

- Até 750kV;
- Ancoragem, Suspensão e Line Post;



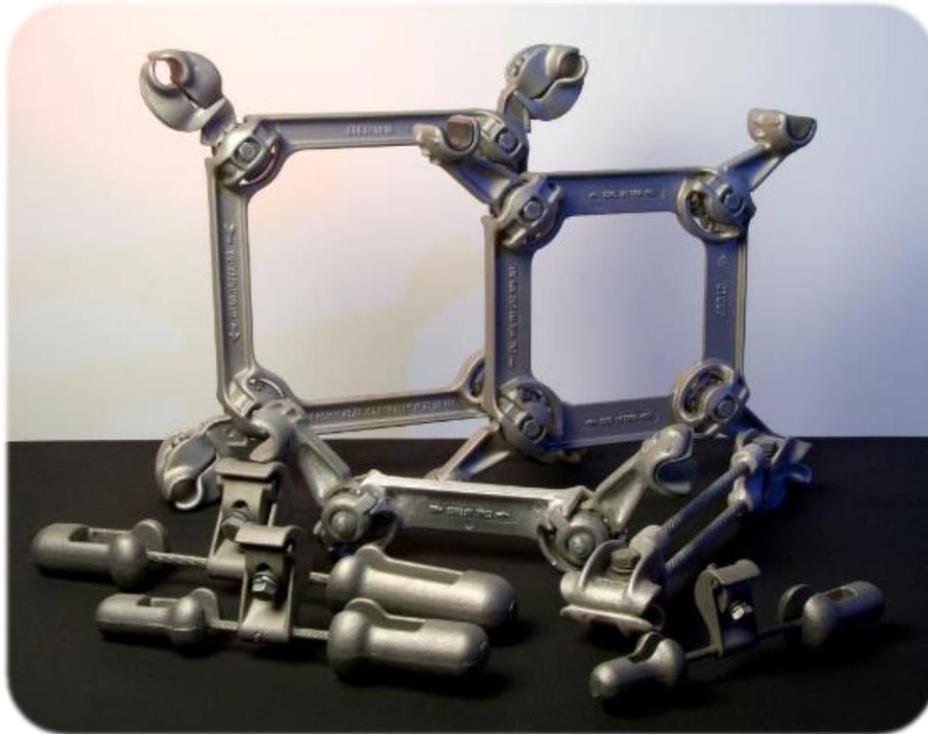
Photo courtesy of National Grid



Photo courtesy of National Grid

# Sistemas de Amortecimento

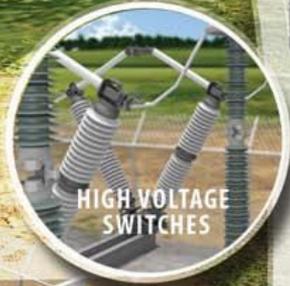
- Espaçador Amortecedor;
- Espaçador Rígido;
- Amortecedor Stock Bridge;





# SUBSTATION

- ARRESTERS
- BUSHINGS
- BUS SUPPORTS
- COUPLERS
- CUTOUPS
- EHV CONNECTORS
- FOUNDATIONS
- HOT LINE TOOLS
- GROUNDING CONNECTORS
- INSULATORS
- SECTIONALIZING CABINET
- SWITCHES
- TERMINALS
- TRENCH COVERS
- UNDERGROUND ENCLOSURES



HIGH VOLTAGE SWITCHES

BUSHINGS



EHV CONNECTORS



WELDED TEES



SOLID DIELECTRIC COMPOSITE BUSHINGS



STATION CLASS ARRESTERS



PAPER OIL CAPACITOR BUSHINGS



STATION POST INSULATORS



ANCHORS



GROUP OPERATED SWITCHES



BUS SUPPORTS

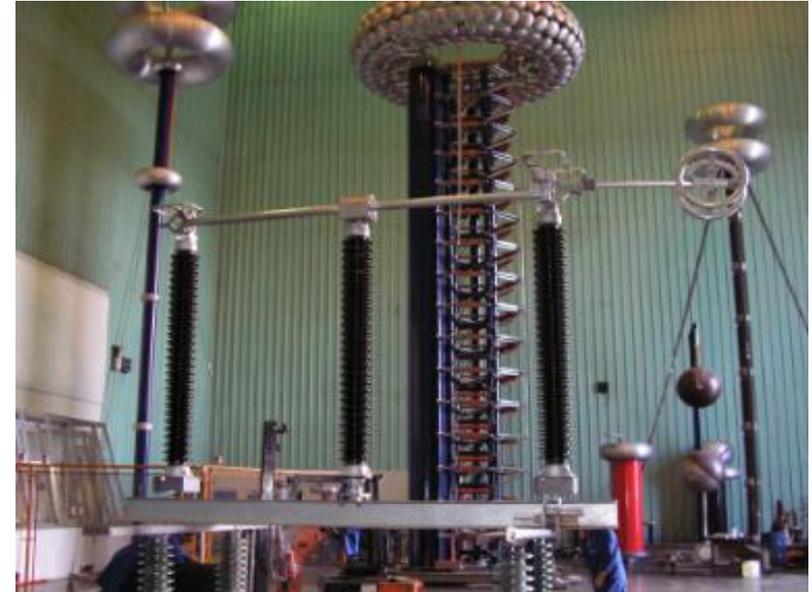
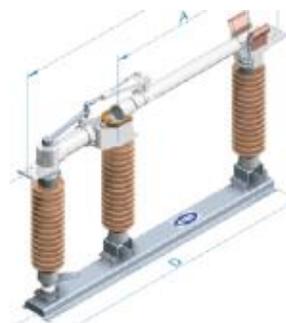
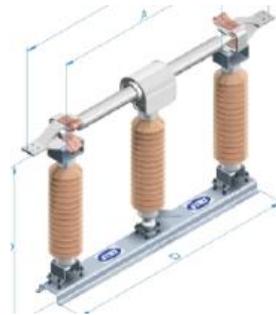
**SOLUTIONS**

Do you rebuild or do you upgrade? Planning starts with Hubbell Power Systems to understand what a grid needs now and what it will have to face in the next few years. Improving system stability and reliability requires Hubbell Power Systems.



# Chaves Seccionadoras

- Mono e Tripolar;
- De 15kV até 550kV;
- Até 4.000A;



# Para-Raios Subestação

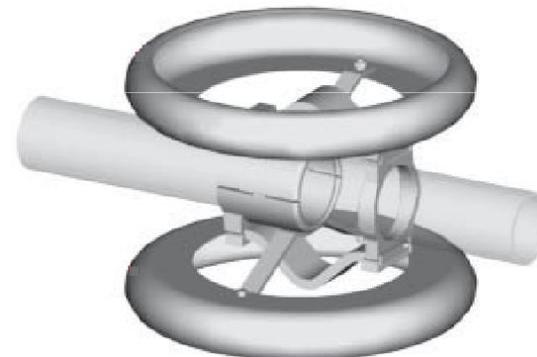
- Classes 2 a 5;
- Porcelana e Polimérico;
- Tensão Nominal 15kV a 550kV;
- Corrente de Descarga 10 e 20kA;
- Normas ANSI e IEC;



# Conectores Subestação



- Até 1.100kV;
- Conectores e Acessórios Especiais e Customizados;
- Parafusos Encapsulados e Superfícies Arredondadas;



# Conectores Aterramento



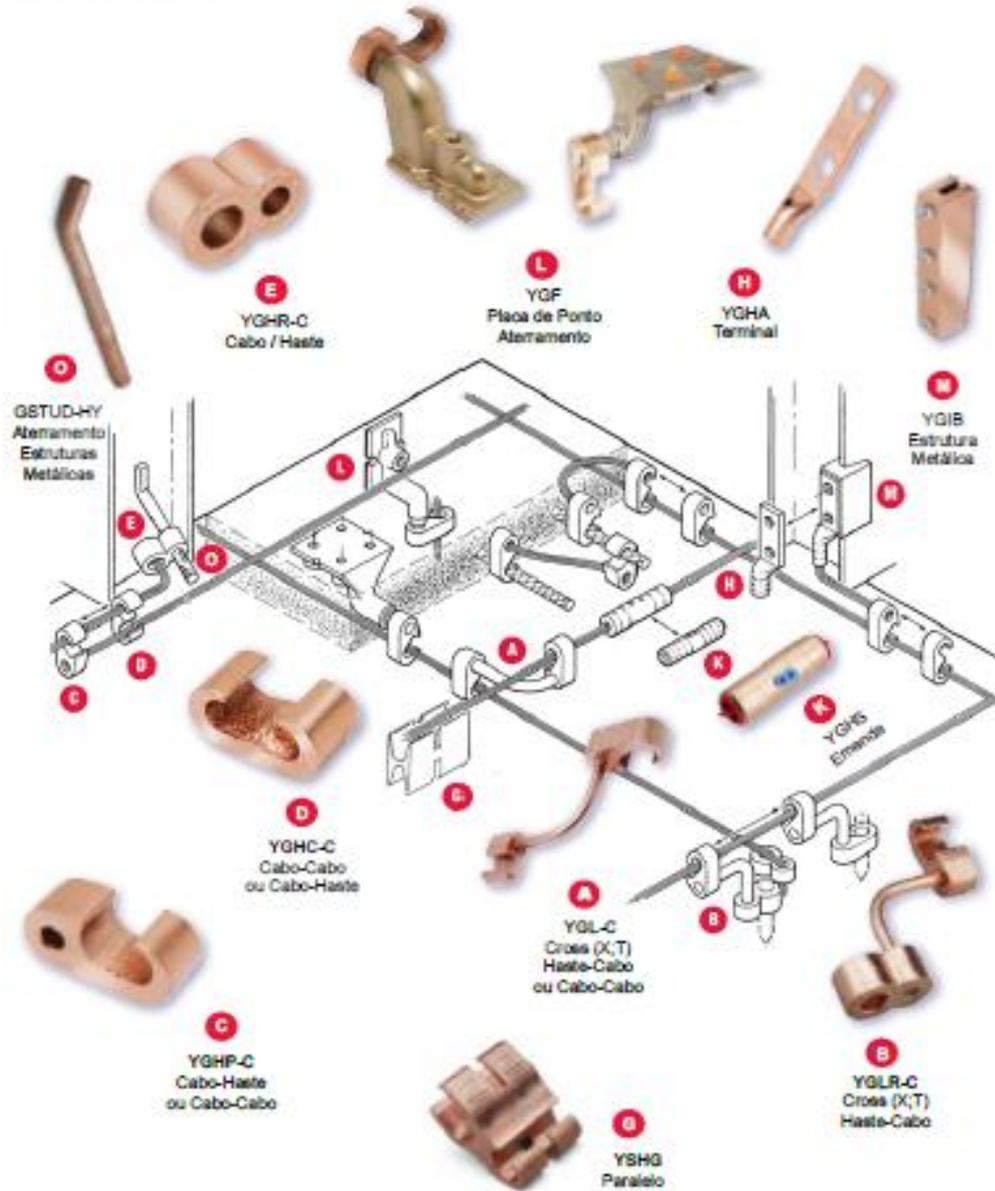
- HYGROUND®
- Conectores Mecânicos
- Ferramentas



PAT750-NI-MH



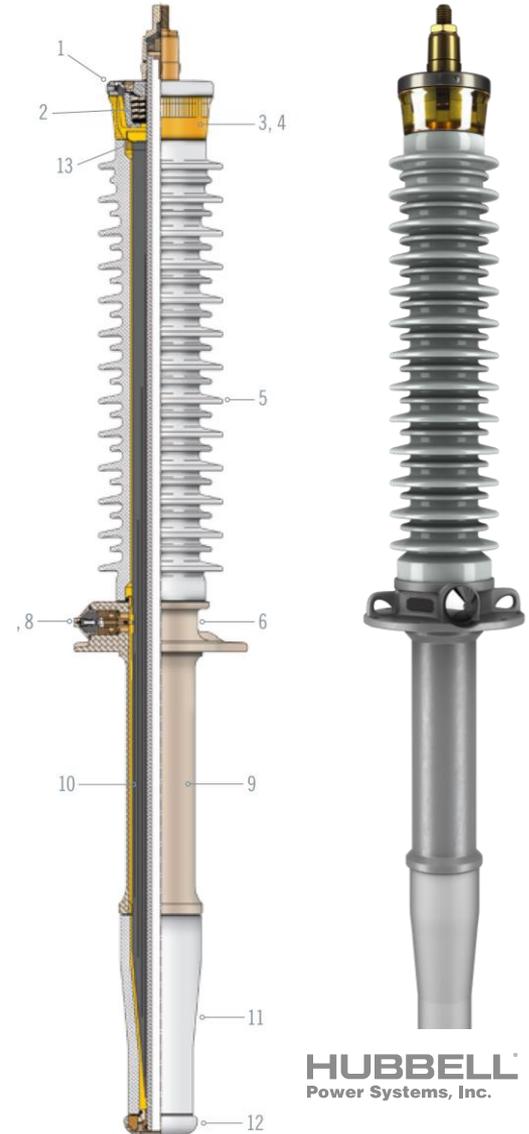
PAT750-LI-Ion



# Buchas e Terminais Teste



**Electro Composites**  
solid HV bushings solution





hubbelpowersystems.com

# Monitoramento Subestação

systems with intelligence



2012/05/30 11:47:39

WB5000  
8:15:57 PM  
November 20, 2012

PTZ CONTROL

ALARM & EVENTS

TIME STAMP	LOCATION	CAM	TYPE	DESCRIPTION
2012-11-20 08:14:24	Salas	3	Motion detection	Alarm
2012-11-20 08:14:24	Salas	3	Motion detection	Alarm
2012-11-20 08:14:25	Salas	3	Motion detection	Alarm



345.5°F

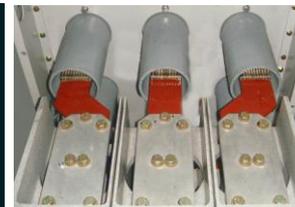
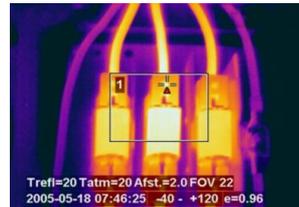
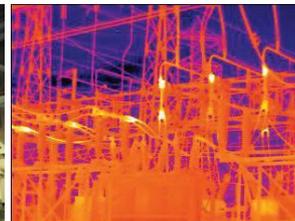
300

200

100

0

-43.2°F



**HUBBELL**  
Power Systems, Inc.



ENDURING PRODUCTS & PEOPLE  
**YOU CAN DEPEND ON**