3EQ Silicone Surge Arresters
For replacing your post insulators
The cost-saving solution for your substation

You require fewer post insulators for your installation, thereby saving you both money and space.

Reduce the required space even more
It’s no problem to install our 3EQ surge arrester over the transformer! There is no danger to equipment, even in the direct vicinity.
**Why is this only possible with the 3EQ surge arrester?**
The tube design ensures that these arresters are virtually indestructible. The 3EQ surge arrester is 100% break-proof after a pressure relief operation. No parts will be thrown out and the emerging arc will burn between the directional pressure relief device. No other design, such as wrapped arresters, direct molded arresters with polymeric housing or porcelain housed arresters, can provide this.

**Do you require high bending moments for the support?**
The 3EQ surge arrester in tube design can support!
- 6,000 Nm/MDCL 37,000 inch-lbf (for voltages of 30 kV to 362 kV)
- 38,000 Nm/MDCL 235,000 inch-lbf (for voltages of 110 kV to 800 kV)
- 72,000 Nm/MDCL 445,000 inch-lbf (for voltages of 220 kV to 800 kV)
- 225,000 Nm/MDCL 1,390,000 inch-lbf (for voltages of 550 kV to 1200 kV)

**Type 3EQ silicone surge arresters in tube design by Siemens:**
- FRP tube for ultimate mechanical stability.
The silicone rubber is molded directly onto the FRP tube.

**Materials such as**
- Foundation,
- steel structure,
- post insulators,
- clamps,
- rental fees for cranes

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<thead>
<tr>
<th>Network with $U_n = 123$ kV</th>
<th>Network with $U_n = 420$ kV</th>
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<tbody>
<tr>
<td>Foundation, steel structure, post insulators, clamps, rental fees for cranes</td>
<td>US$ 1,000</td>
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<tr>
<th>Working hours</th>
<th>Installation for steel structure and post insulators</th>
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<td>US$ 1,500</td>
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**Building site**
- Surface area
- Depends on the costs of land

| Minimum savings of approximately | US$ 2,500 | US$ 20,000 |

**Clearance between equipment according to technical standards**