

## Digitalization enables ultra compact switchgears



## Benefits of Low Power Instrument Transformers

The following overview summarizes the main benefits of LPITs for HV GIS applications. The benefits may vary from manufacturer to manufacturer but the fundamental approach taking advantage of the low power output signal approach is always the same.

1. Small, embedded sensors => **Reduced size & weight**
2. Low weight, no gas filling => **Environmentally friendly**
3. One standard device covering all possible nominal currents => **“Uprating” capability**
4. No hazardous overvoltage at terminals => **Improved personnel safety**
5. High linearity and bandwidth, no saturation => **Improved measurement performance**
6. One standard device => **Simple & fast spare part delivery**
7. Passive sensors embedded in cast resin => **Robust & durable**
8. One standard device => **Simplified Engineering & Approval**

