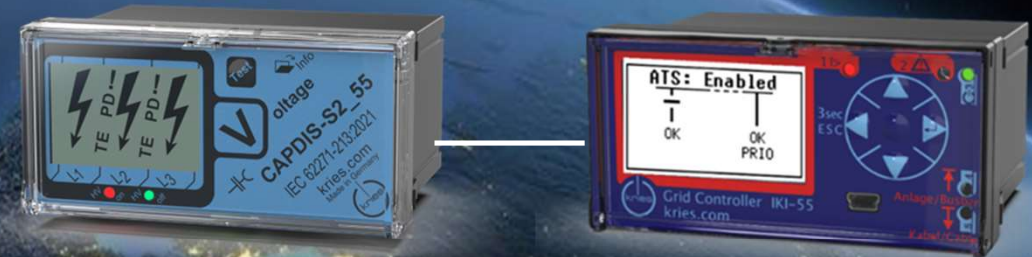


ATS (Automatic Transfer Switch) with CAPDIS and IKI-55 reduces outage-times down to 1-3 Seconds at VIP-Customers and at the NOP (Normally Open Point)



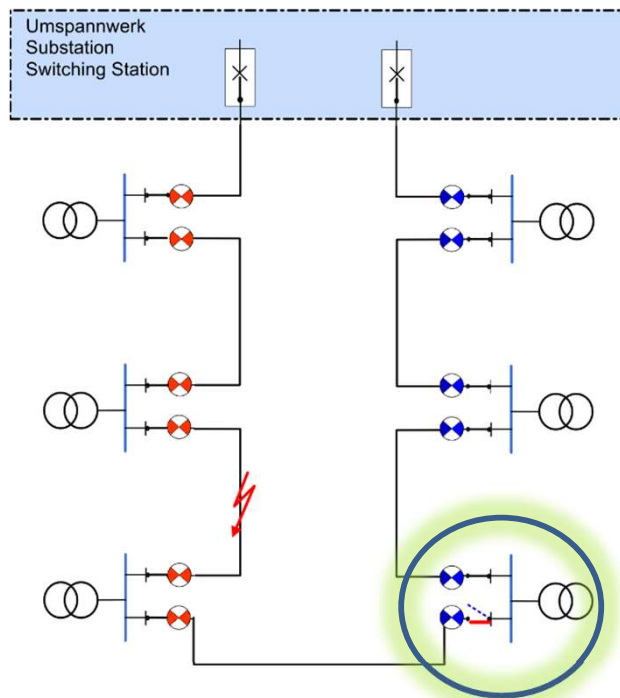
Realized ATS-Applications:

- **Hospitals**
- **Data-Centers**
- **Street-Tunnel (e.g. Alps)**
- **Railway Tunnel**
- **Radio Stations**
- **Hotels**
- **Customers with High-Availability Requirement**
- **Normally-Open-Points in open-loop networks**

ATS with CAPDIS and IKI-55 reduces outage-times down to 1-3 Seconds at the NOP

An ATS (Automatic-Transfer Switch) at the NOP (Normally Open Point) **reduces the ASIDI (SAIDI) by $(1/\text{RMU-numbers}) \times 100$ [%]** and upgrades customers at the NOP to high-availability-customer

Assumption: the apparent-power is equally distributed between the RMUs

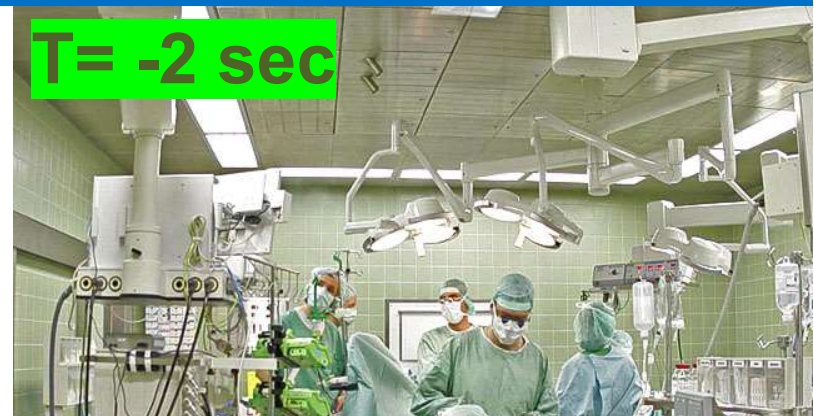


Customers at the NOP become high-availability customers thanks to ATS with IKI-55 and CAPDIS
Example:

In Ring-feeder with 6 RMUs the ASIDI (SAIDI) is reduced by 16%



Kries is now part of TE Connectivity.



Feeder-Controller IKI-55
without ATS

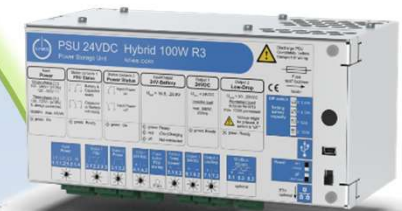


Feeder-Controller
IKI-55 with ATS

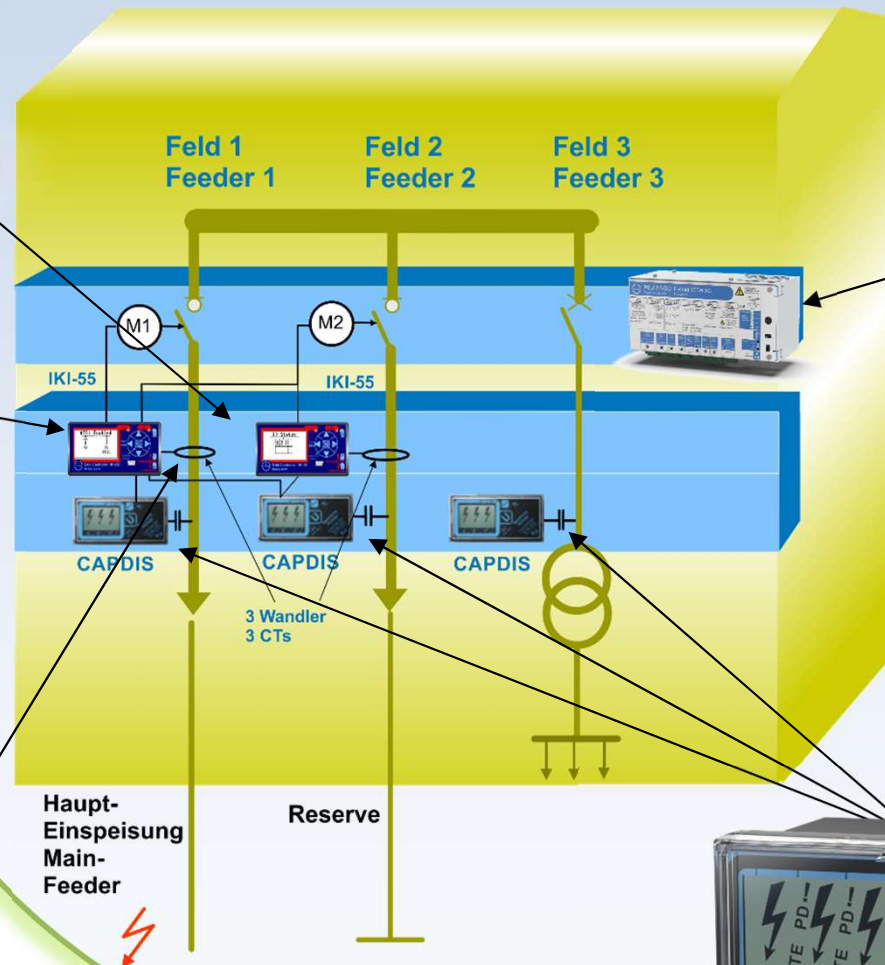


UPS Type PSU

Input: 110..230VAC
Output: 24VDC



CTs

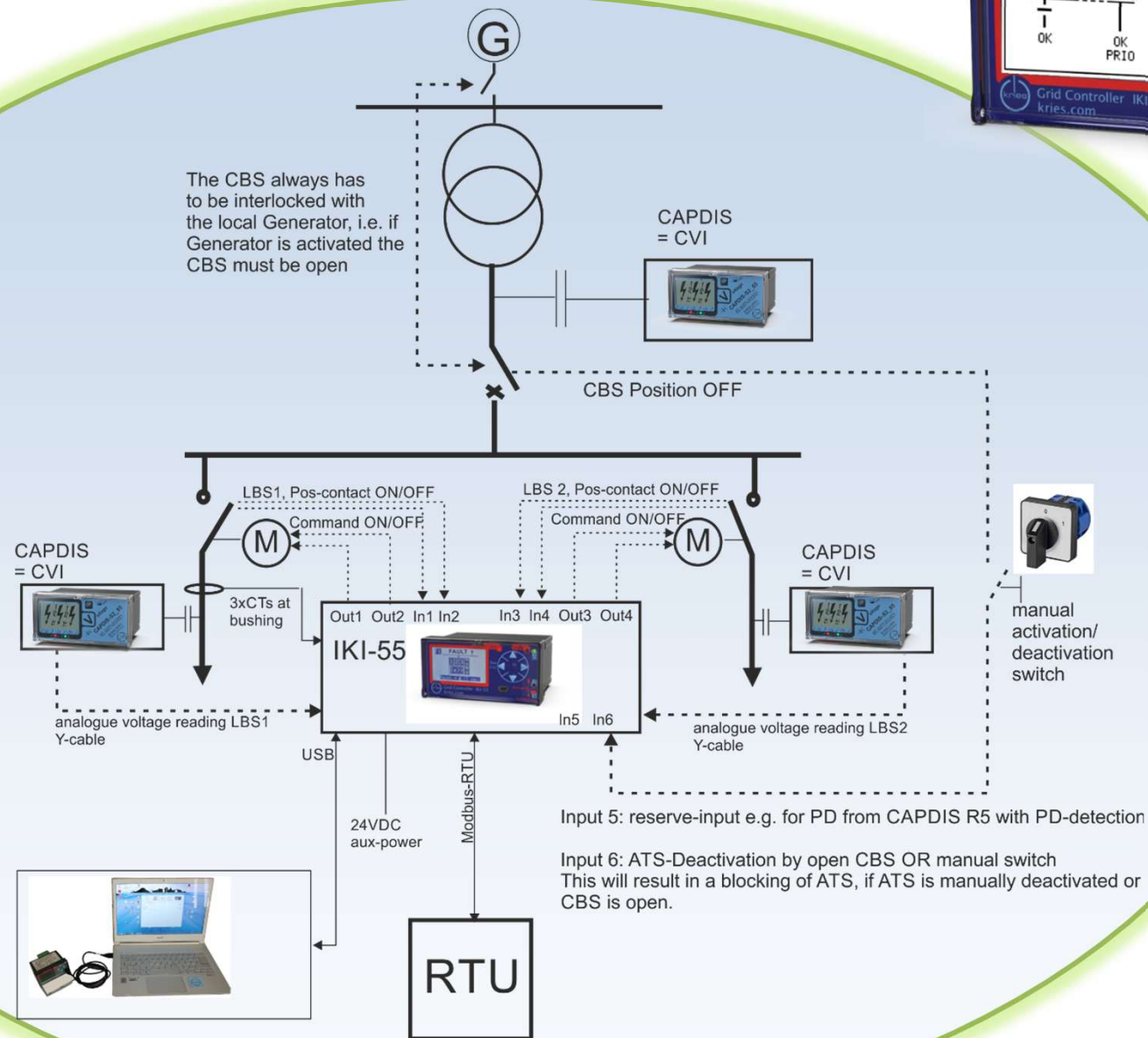


3x fail-safe-
Voltage
Detecting
System optional
with PD-
Detection



The IKI-55 feeder-controller unit with automatic switchover monitors ring cable feeder 1 and 2. In the event of failure or loss of voltage quality or PD in one incoming feeder, the system automatically switches over to the other feeder, if it is available. Priorities can be selected for the switch-back (field 1, 2 or no priority)

Kries offers ready-made best-practice solutions for high-availability switchgear. The standard automatic transfer switching logic can be easily adapted to individual customer requirements.



Kries is now part of TE Connectivity.