

DISTRIBUTION AUTOMATION

ACE3600 & ACE1000 RTU SOLUTIONS

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ELECTRICITY DA/DMS SYSTEMS SCADA SOLUTIONS

- Remote monitoring and control system
- Substation monitoring
- Fault Isolation and System Restoration (FISR)
- Remote Control of Capacitor Banks Load Balancing
- Power Quality Monitoring (PQM)
- Fault Passage Detection (FPD)
- Operating efficiency & productivity
- Proactive maintenance
- Reduced length of outages, avoiding Transformer's burning.
- Personal safety and security
- Cost savings: automatic detection, control and monitoring

ELECTRICITY DA/DMS SYSTEMS SCADA SOLUTIONS

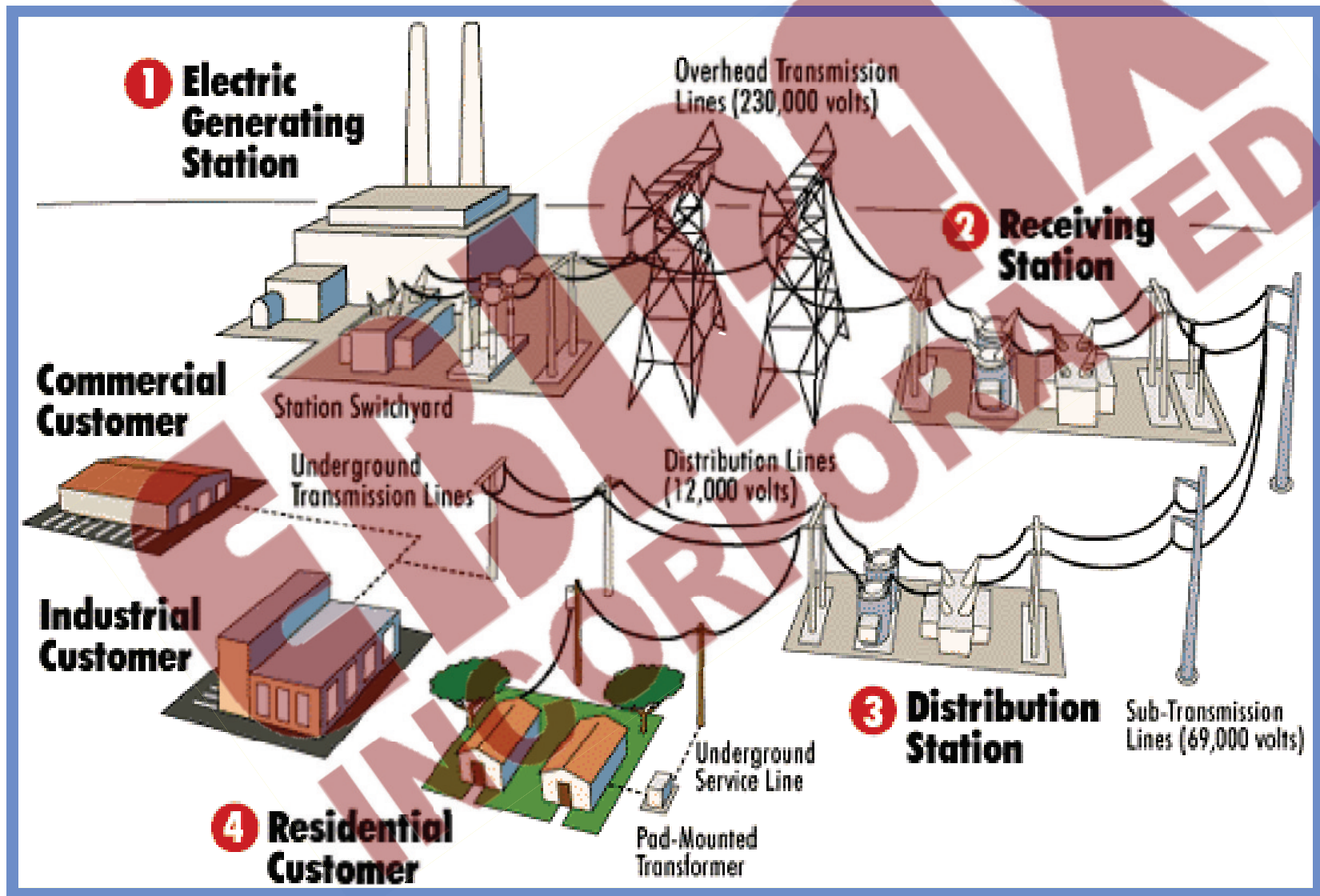
- Substation monitoring of load conditions of feeders via transducer-less Intelligent Electronic Devices (IED)
- monitoring and control of Substation Protection Relays (SPR) and Circuit Breaker Reclosers (CBR).
- Fault Passage Detection (FPD)
- Fault Isolation and System Restoration (FISR) By using RTUs and communications, allows isolation of the damaged MV power grid section and restoration
- Remote Control of Capacitor Banks voltage regulation and power factor ($\cos\Phi$) correction.
- Power Quality Monitoring (PQM) Characterized by several parameters such as: duration and occurrence of short spikes and sags, voltage and current harmonic distortion, phase voltage variation, etc.

TARGETED SMART-GRID APPLICATIONS

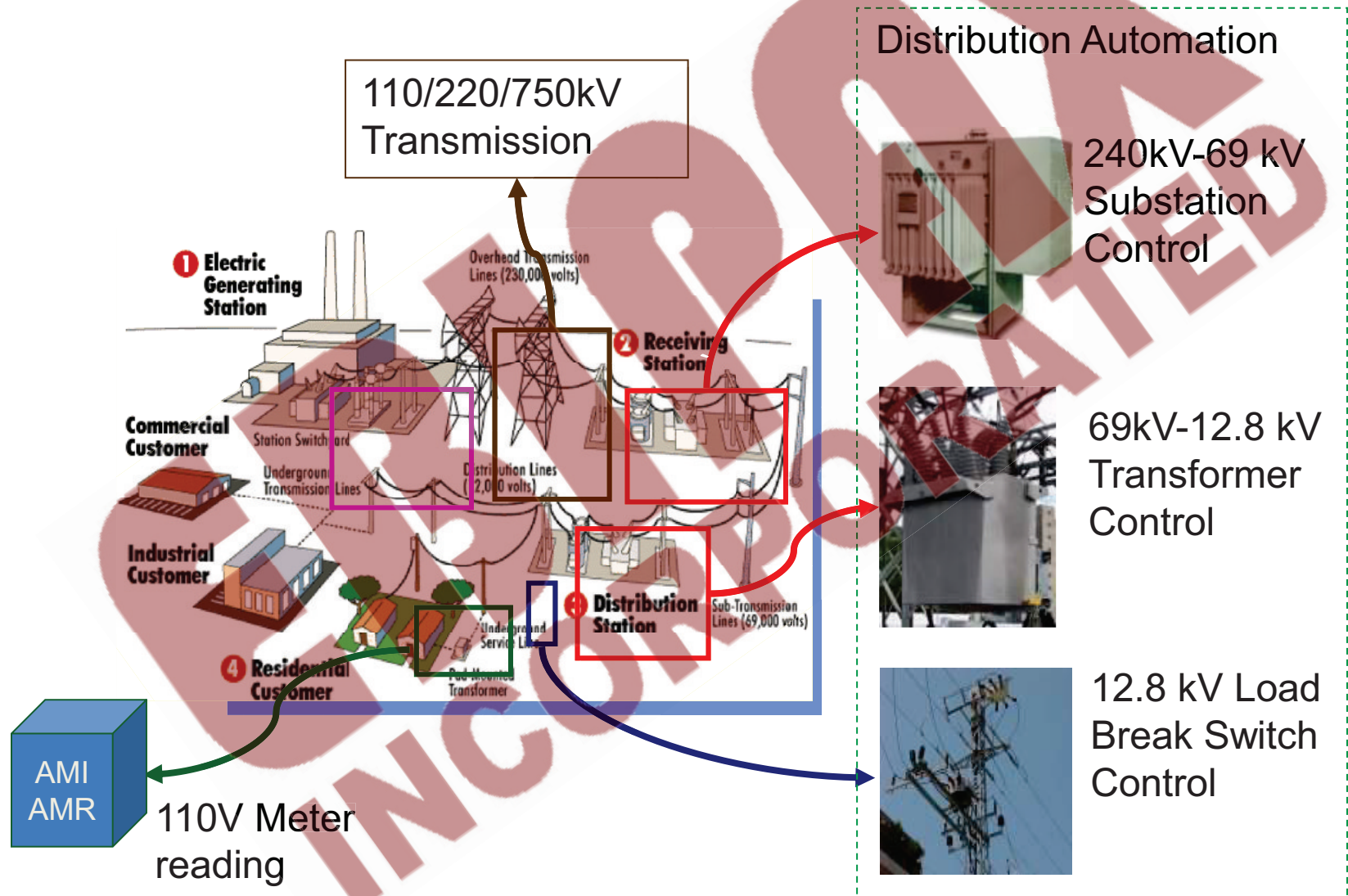
- Control of Municipal Substations (MS)
 - MS Reclosers, Loading and Power Quality Monitoring
 - Optimal utilization of Capacitor banks as per power factor
 - Serial port and DNP protocol interface to IEDs
- Pole Mounted Load break Switchgears & Reclosers
 - Loading, Fault Detection, Isolation and Restoration
 - Smart load shedding (if needed) and load balancing
 - I/O connection and serial port interface to IEDs.
- Integrated Solution with AMI
 - Pole mounted RTU acts as AMR data concentrator
 - The AMR meters will have separate “Last mile” link.
 - Provides communication to billing computer
 - Reusing the available network built for DA

POWER GENERATION AND DELIVERY

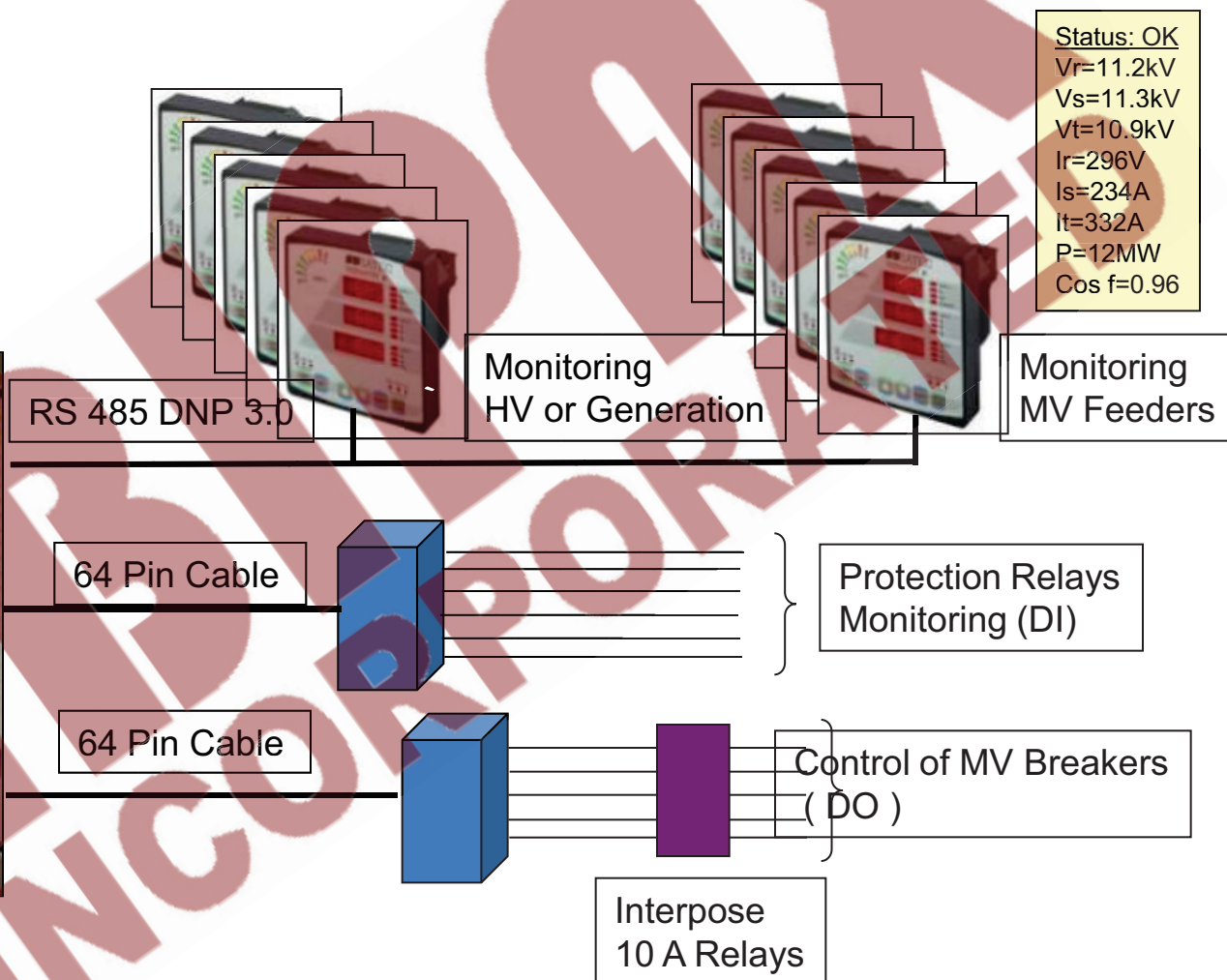
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POWER GRID CONTROL



SUBSTATION RTU WIRING WITH AGA



FAULT PASSAGE SENSORS

Key Features:

- Adaptable to MV Network
- Voltage & Current Inputs
- Remote Reset
- Front LEDs
- Stand-Alone Operating
- Simple Installation



for more info please contact support@ebipax.com