

 <p>ACCESS CONTROL Assignment of access to assets based on user roles and attributes</p>	 <p>ACTIVE DIRECTORY Central identity store federated into OT to enforce role-based access, time-bound accounts, and auditability.</p>	 <p>ACTUATOR Devices that convert control signals into Physical Actions</p>	 <p>ADC Converts an analog process signal into a digital value the controller can interpret.</p>	 <p>AMI Advanced Metering Infrastructure.)Enables two-way communication between smart meters and utilities for metering, control, and data analysis</p>	 <p>AMR Automatic Metering Reading. One-way or limited two-way communication systems used to collect consumption data from utility meters.</p>	 <p>ADVANCED PROCESS CONTROL (APC) Model-based or multivariable control algorithms that run above basic PID loops to optimise quality/throughput.</p>	 <p>AIR GAP Physical Isolation between OT and IT Networks.</p>
 <p>AIC TRIAD Availability, Integrity, and Confidentiality — reordered from CIA to reflect OT priorities.</p>	 <p>Operational Technology (OT) and OT Security Glossary</p>			 <p>ALARM ANNUNCIATOR PANEL Dedicated panel or HMI view presenting critical alarms in a conspicuous format</p>	 <p>ALARM MANAGEMENT Framework to configure, prioritize, and handle alarms</p>	 <p>ALARM SERVER SCADA/DCS service that aggregates, timestamps, and routes alarms to HMIs, historians, or paging systems.</p>	 <p>ALARM SUPRESSION Suppresses non-critical alarms to reduce operator overload.</p>
 <p>ANALOG INPUT / ANALOG OUTPUT (AI/AO) I/O channels on a PLC or remote rack that handle real-world analog signals</p>	 <p>ANALOG SENSOR Field device that returns a continuous-value signal (e.g., 4-20 mA temperature probe) to the control system</p>	 <p>ANOMALY DETECTION Behaviour-based detection of deviations from normal OT traffic/operations</p>	 <p>APPLICATION SERVER (SCADA) Hosts the supervisory application, graphics, trending, and basic historian functions for a process area.</p>	 <p>APPLICATION WHITELISTING Endpoint security control permitting only vetted executables—widely recommended for Level 3 Windows assets.</p>	 <p>ASSESSMENT (SECURITY RISK) Evaluation of threats, vulnerabilities, and potential impacts using contextual risk scoring models (e.g., SLAs, risk matrices).</p>	 <p>ASSET INVENTORY Framework to configure, prioritize, and handle alarms</p>	 <p>AUTO/MANUAL STATION Local switch or HMI element that lets operators toggle a control loop between automatic and manual modes</p>
 <p>AUTOMATION CONTROLLER (PAC/IPC) Industrial PC or programmable automation controller combining PLC determinism with PC-grade processing.</p>	 <p>AUTOMATION SYSTEM Includes SCADA, DCS, and PLC-based setups used to automate industrial operations.</p>	 <p>ATTACK SURFACE All points in a system that are exposed to possible intrusion. Reduction is key to resilience.</p>	 <p>ATTACK VECTOR Method or path used by an attacker to gain unauthorized access (e.g., USB drop, phishing, protocol abuse).</p>	 <p>AUDIT TRAIL Logged sequence of system activities used for monitoring, forensics, and compliance. Often stored in SIEM.</p>	 <p>AUTHENTICATION Verifying user/device identity (e.g., MFA, certificate-based login). OT systems may use centralized or local auth.</p>	 <p>AUTHORIZATION Determines permitted actions for authenticated users. Often implemented via Role-Based Access Control (RBAC).</p>	 <p>AVAILABILITY Ensuring system uptime and process continuity. Often prioritized over confidentiality in OT.</p>