Factory Acceptance Test

For Optimal Product Performance

Executed before product delivery, the Factory Acceptance Test (FAT) is a personalized testing procedure where hardware and software components are thoroughly inspected to ensure optimal product performance. Above all, the tests ensure that all our products operate according to their given specifications while meeting functional requirements. Customers may demand to be present during the entire testing process to witness that their equipment is delivered with the promised specifications.

The Testing Process

- Prepare and submit a FAT procedure to be reviewed by the customer;

- Coordinate and prepare a complete system that reflects real-life conditions;

- Schedule technical specialists for the entire FAT procedure;

- Review technical drawings;

- Execute the test;

- Hand the completed test report to the customer.

FAT Details

- **Mechanical:** Inspect monitoring cabinet dimensions, paint, and general hardware components;

- **Labels:** Verify all labels located on the monitoring cabinet, internal components, and cables while ensuring that they correspond to as built drawings;

- **Wiring:** Verify terminal connection color codes and solidity;

- **Grounding:** Verify internal cabinet component grounding;

- **Insulation Resistance Test (Megger):** Verify the electrical insulation of power cables;

- **Auxiliary Circuit:** Verify components related to the auxiliary power input (door fan, light, heater, etc.);

- **Main Circuit:** Verify components related to the main power input (acquisition unit(s), power supply and communication panels, etc.);

- **I/O Signals:** Test all input channels with a simulated signal to verify reading accuracy and relay activation;

- **System Integration:** Verify server functionality with the ZOOM® software while connected to the monitoring cabinet.