

ATM Monitoring & Control System



TARGET

Provide with uninterrupted ATM services at the optimum cost, and lead to increased Customer satisfaction & increased profitability

MAJOR PROBLEMS IN ATM MANAGEMENT

- Lack of awareness on interruptions and/or failures
- High cost of on-site attendance for problem checking
- Unnecessary / additional costs for support & maintenance
- Failure to spot the root-cause of the failures
- Dependency on man-power in the processes
- Security risks
- SLA tracking

INNOVA SOLUTION



Exterior light sensor

Interior lighting

Motion sensing

In-cabin light sensor

A/C

Access Control

ATM

Flood detection

Exterior camera

Exterior lighting

Temperature / Humidity

Interior Camera

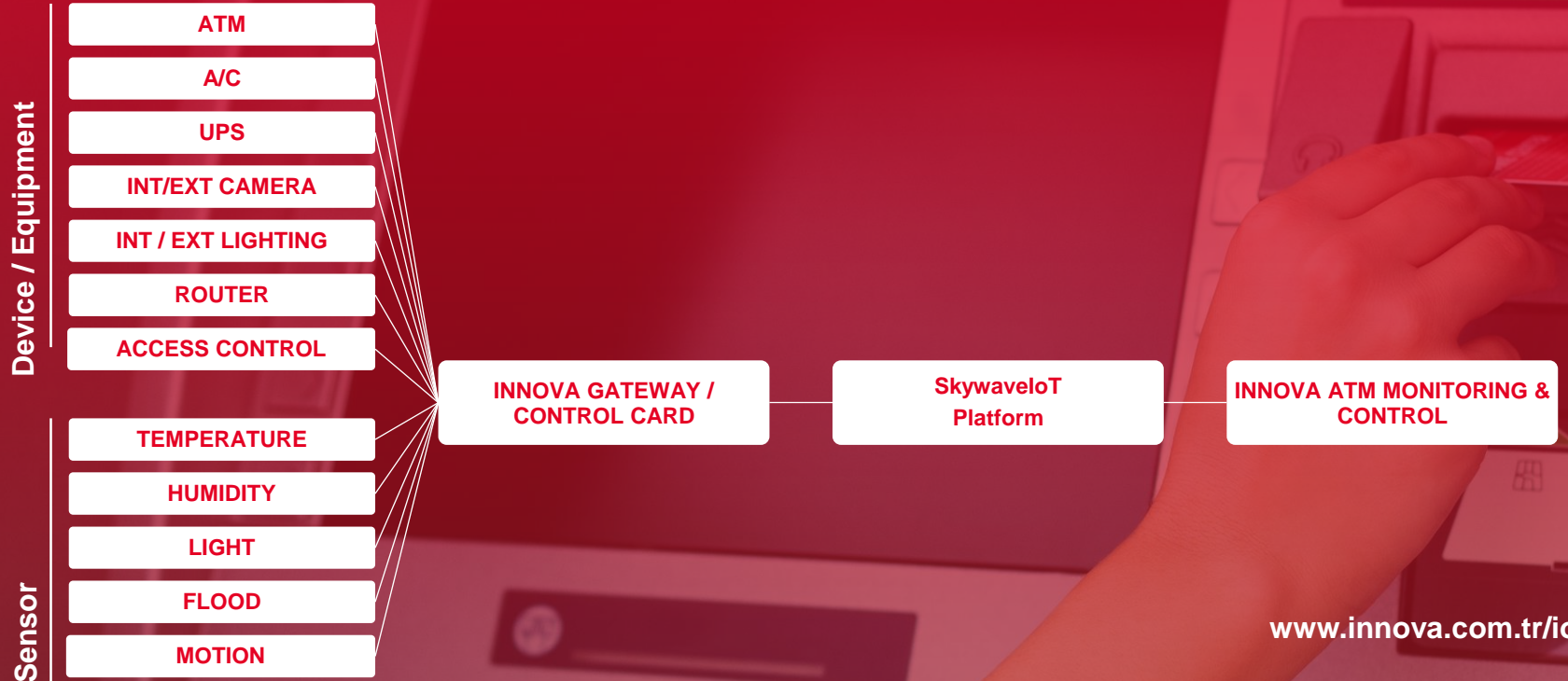
InnoVA Control Card

Access Control

Router

UPS, Grounding,
Main power

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The benefits

Realtime Monitoring & Control

- Instant monitoring & intervention
- Auto-controlled operation of the terminal devices within the given limits / measurements
- Central definition of business / work flows



Fast recovery from failures

- Instant notification of failures with real-time monitoring
- Momentarily notification of the relevant parties & 3rd party systems via system integrations
- SLA Tracking for breakdown interventions and recovery times



Reduced Breakdowns & Failures

- Historic records for current & past failures
- Easier analysis and determination of the root cause
- Helps definition of permanent solutions
- Predictable failures & precautions with the help of the analysis of the detailed sensor data from the site



Reduced operational costs

- Reduced need of on-site intervention because of the ability to manually intervene remotely
- Assignment of the appropriate teams based on the type of the failure
- Power-saving



Increased security

- Access control & logging
- Alarm generation incase of unauthorized access
- Authorized Access tracking & reporting



Key Features of Innova Solution

ATM Equipment Status Monitoring

- ATM Active/Idle Tracking
- Door open/closed monitoring
- UPS Monitoring
- A/C Monitoring
- Interior / Exterior Lighting Monitoring
- Power consumption tracking



A/C Management

- Temperature / Humidity measurement
- A/C on/off control & Monitoring
- Auto-on / off based on the temperature limits or manual remote control
- Setting of A/C Operation parameters (temp, cooling/heating, on/off, etc)
- A/C failure notification



Lighting Management

- Interior / Exterior Lighting status monitoring
- Illumination measurement
- Lighting control (on/off) based on the data obtained via web-service, providing time, motion, environmental illumination, and/or daylight data



Unauthorized Access Control

- Detection of unauthorized/unexpected Access (intrusion) and notification of related parties
- Alert generation and ability to setup live-video streaming
- Audio-visual alarms for prevention of unauthorized access



Authorized Access Monitoring

- User and/or time based Access authorization control
- Access logging for authorized Access of the personnel from service provider or owner company.



Power Management

- Power consumption monitoring for the ATM
- Quality control & tracking of the mains power-line
- UPS status & operation monitoring for uninterrupted service



KPI/SLA Management

- KPI Monitoring for the ATM and its components
- Automatic SLA Monitoring & Measurement



Integration with Business Systems

- Transfer of the collected monitoring & operational data to the relevant business systems
- Ability to integrate various 3rd party systems
- Work-flow definition interface



Big-data enabled reporting

- Big-data infrastructure to support the business needs
- Real-time data processing and statistical presentation of instantaneous data
- Role-based reporting via central system
- Data export capabilities



Advanced Interface Support

- Web-based user friendly GUI
- Map-supported presentation



WHY INNOVA?

- An expert team of 1,000+ engineers
- International footprint and experience in 3 continents, 30+ countries
- State of the art solutions and services at World-class standards
- Turk Telekom Group Company

Bir Türk Telekom Şirketi.

