SPY CLOUD
SPYCLOUD TECHNOLOGIES
INTEGRATE • SECURE • SCALE•

CATALOGUE

Integrated Technology & Infrastructure Solutions

16 Core Solutions • Project Engineering • Industry Solution Bundles



INTEGRATE

Seamless systems and platform integration

SECURE

Security and safety solutions for every site

SCALE

Infrastructure that grows with your needs

Integrated Technology.
Engineering-Led Solutions.

Established in 2015 as Spycloud Solutions, Spycloud Technologies Private Limited has evolved from an industrial automation-focused business into an integrated technology and infrastructure solutions provider. We bring together engineering, system integration, security, networking, communication and computing capabilities to help businesses build connected, reliable and manageable environments.

From initial consultation and system design to installation, integration, commissioning and ongoing maintenance, we support projects across their lifecycle. Spycloud is a technology solutions partner, not just a product supplier.

2015
Established as Spycloud Solutions

16
Core technology solutions

7
Project delivery stages

OUR APPROACH

Survey · **Design** · **Install** · **Integrate** · **Test** · **Hand over** · **Support**



16 Core Solutions.
One Integrated Partner.

Spycloud brings security, connectivity, IT, communication and automation together, so customers deal with one team from survey to support.

01
Security & Surveillance
IP CCTV, PTZ, NVR, VMS and video analytics
Page 4

02
Smart Access, Biometrics & Attendance
Face, RFID, QR, video door phone, visitors
Page 5

03
Gate Automation & Entrance Control
Boom barriers, flap/swing barriers, turnstiles, gates
Page 5

04
ANPR, Vehicle Access & Smart Parking
ANPR, vehicle entry, parking and EV charging
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05
Networking & Structured Cabling
LAN/WAN, enterprise Wi-Fi, copper cabling, racks
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06
FTTH/FTTx & Fibre Connectivity
OLT, splitters, FDH/FAT, ONT/ONU, fibre infrastructure
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07
IT Infrastructure, End-User Computing & Online UPS
Servers, storage, desktops, power backup
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08
Communication & Telephony
IP-PBX/EPABX, IP phones, intercom, nurse call
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Fire & Life Safety
Fire detection and alarm, notification and PA integration
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Audio-Visual & Collaboration
Video conferencing, meeting-room displays, professional audio
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Mobile Signal Enhancement
Coverage assessment, antenna distribution, signal solutions
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Software, API & System Integration
Custom apps, dashboards, API/SDK, compatible-system integration
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Network Monitoring & Intelligent Alerts
Availability monitoring, dashboards, threshold alerts
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Intrusion Alarm & Perimeter Detection
Detectors, door contacts, panels, panic buttons, sirens
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Building Automation & IoT
BMS, IoT sensors, HVAC monitoring, lighting, energy
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IT Facility Management, AMC & Lifecycle Support
AMC, maintenance, asset tracking, upgrades
Page 13

PROJECT ENGINEERING & LIFECYCLE DELIVERY

How we deliver every solution: survey, design, installation, integration, commissioning and handover. See page 14.

INDUSTRY SOLUTION BUNDLES

Six ways our core solutions combine for builders, industry, offices, hospitals, campuses and ISPs. See page 15.

01 Security & Surveillance

See clearly. Support informed response.

CORE SOLUTION 01 / 16



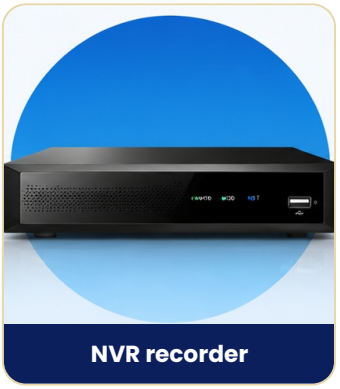
IP bullet camera



IP dome camera



PTZ camera



NVR recorder

KEY OFFERINGS

- IP CCTV cameras, PTZ cameras, NVRs and VMS
- Video analytics and surveillance monitoring

CUSTOMER BENEFITS

- Visibility of premises, day and night, depending on camera selection
- Central viewing and recorded playback
- Analytics features depend on the camera and software selected

Cameras → Network → NVR / VMS → Monitoring → Review

14 Intrusion Alarm & Perimeter Detection

Detect unauthorised entry. Alert the right people.

CORE SOLUTION 14 / 16



Alarm panel and keypad



Motion detector



Door and window contact



Glass-break detector

KEY OFFERINGS

- Motion detectors and door contacts
- Alarm panels, panic buttons and sirens
- Perimeter detection solutions

CUSTOMER BENEFITS

- Early warning of unauthorised entry
- Local alarm and notification options
- Scalable from a single room to a full site

Detectors → Alarm panel → Siren and alerts → Response

02 Smart Access, Biometrics & Attendance

Know who enters, when and where

CORE SOLUTION 02 / 16

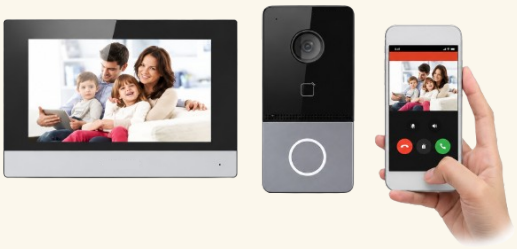


Face recognition terminal



RFID reader and controller

QR access and visitor management



Video door phone

KEY OFFERINGS

- Face recognition, fingerprint and RFID systems
- QR access, employee attendance and visitor management
- Video door phone and door-entry systems

CUSTOMER BENEFITS

- Controlled entry with a clear audit trail
- Attendance and visitor records in one place
- Visitors seen and spoken to before entry

Enrol → **Authenticate** → **Grant access** → **Log record**

03 Gate Automation & Entrance Control

Smooth, controlled movement at every entrance

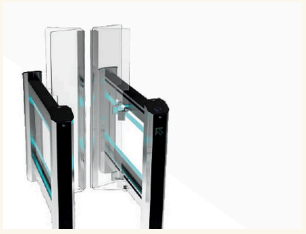
CORE SOLUTION 03 / 16



Automatic boom barrier



Flap barrier and turnstile



Swing / speed gate



Automated gate operator

KEY OFFERINGS

- Automatic boom barriers
- Flap barriers, swing barriers and turnstiles
- Automated gate solutions

CUSTOMER BENEFITS

- Orderly pedestrian and vehicle flow
- Works with access control and ANPR

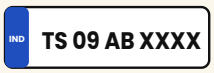
Approach → **Verify** → **Gate opens** → **Record**

Access control, gates and ANPR work together as one entry system. **See page 6**

04 ANPR, Vehicle Access & Smart Parking

Recognise, admit and guide every vehicle

CORE SOLUTION 04 / 16



Number plate recognition (sample plate)



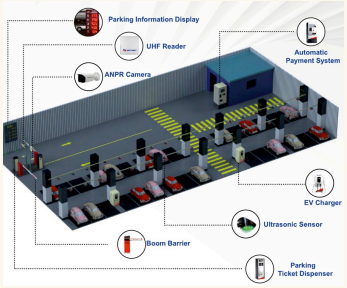
Central ANPR management software



Entry and exit barrier



EV charging points (AC and DC)



Parking system layout

KEY OFFERINGS

- Automatic Number Plate Recognition
- Vehicle entry management
- Smart parking and parking system integration
- EV charging points: AC (Type 2) and DC (CCS-2, CHAdeMO) chargers, selected for the site

CUSTOMER BENEFITS

- Vehicle records for entry and exit
- Supports automated entry for configured permitted vehicles
- Parking systems that integrate with gates and access control
- EV charging can be planned with the parking layout, subject to power availability and approvals

VEHICLE ENTRY FLOW

Vehicle arrives → Plate read → Access check → Barrier opens → Entry log

EV charger type and rating (AC about 3.5 to 22 kW, DC about 20 to 360 kW) depend on the equipment selected, site power availability and approvals. Illustrative visuals; plate shown is a sample. **Final design depends on site layout and requirements.**

05 Networking & Structured Cabling

The backbone every other system depends on

CORE SOLUTION 05 / 16



LAN/WAN switching and enterprise rack



Enterprise Wi-Fi



Copper cabling, racks and patch panels

KEY OFFERINGS

- LAN/WAN and enterprise Wi-Fi
- Copper cabling, racks and patch panels
- Network infrastructure deployment

CUSTOMER BENEFITS

- One reliable network for all building systems
- Organised, labelled and maintainable cabling

Core → Distribution → Access and Wi-Fi → Devices

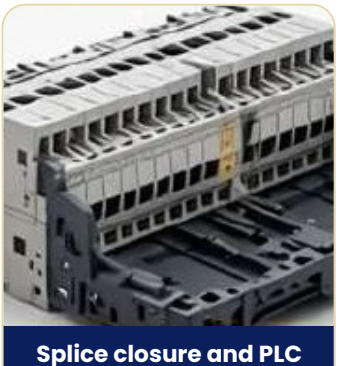
06 FTTH/FTTx & Fibre Connectivity

Fibre infrastructure from core to customer premises

CORE SOLUTION 06 / 16



OLT rack equipment



Splice closure and PLC splitter



FDH/FAT distribution box



ONT/ONU and home router

KEY OFFERINGS

- OLT, optical splitters and fibre distribution
- FDH/FAT, ONT/ONU and fibre infrastructure

CUSTOMER BENEFITS

- Structured fibre rollout for operators and campuses
- Equipment and components selected to the project design

OLT → Feeder fibre → FDH / FAT → Drop cable → ONT / ONU

07 IT Infrastructure, End-User Computing & Online UPS

CORE SOLUTION 07 / 16

Reliable computing and power for every workplace



Servers and server racks



Storage (NAS)



Online UPS and power backup



Desktops, workstations and laptops



Industrial PCs

KEY OFFERINGS

- Servers, storage and network racks
- Desktops, laptops, workstations and industrial PCs
- Online UPS and power backup solutions

CUSTOMER BENEFITS

- Computing and power sized to the requirement
- Online UPS backup runtime and protection depend on load, battery configuration and installation
- Single partner for supply, installation and support

FROM POWER TO PRODUCTIVITY

Power backup → Racks → Servers → Network → Workstations

Brands and models are selected to suit the project. **Ask for a solution proposal.**

08 Communication & Telephony

Clear communication across the organisation

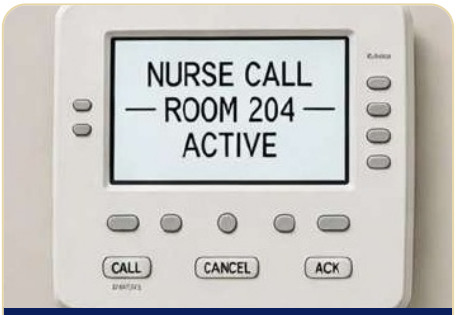
CORE SOLUTION 08 / 16



IP-PBX / EPABX



IP phones



Intercom and nurse-call communication

KEY OFFERINGS

- IP-PBX/EPABX and IP phones
- Intercom and nurse-call communication

CUSTOMER BENEFITS

- One communication platform for the site
- Suitable for offices, campuses and healthcare

IP-PBX → IP phones → Intercom → Nurse call

09 Fire & Life Safety

Detect early. Notify clearly.

CORE SOLUTION 09 / 16



Smoke detector



Fire alarm control panel



Notification and PA / evacuation integration

KEY OFFERINGS

- Fire detection and alarm systems
- Notification and Public Address/Evacuation integration, where designed

CUSTOMER BENEFITS

- Fire detection and alarm notification for the site
- Designed and installed by qualified personnel, subject to applicable codes, compliance and authority approvals

Detect → Alarm panel → Notify → Evacuation PA

10 Audio-Visual & Collaboration

Meeting rooms that connect people

CORE SOLUTION 10 / 16



Video conferencing and meeting-room display



Conferencing camera and headset

KEY OFFERINGS

- Video conferencing
- Meeting-room displays and professional audio
- Collaboration solutions

CUSTOMER BENEFITS

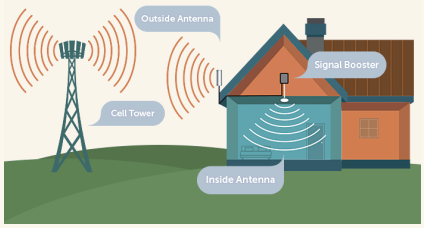
- Clear meetings across locations
- Simple room systems that people can use easily

Room display → Camera → Audio → Call

11 Mobile Signal Enhancement

Better indoor mobile coverage where it matters

CORE SOLUTION 11 / 16



Indoor coverage assessment



Distributed antenna system (ceiling)



Mobile signal booster equipment

KEY OFFERINGS

- Indoor mobile coverage assessment
- Antenna distribution and suitable signal-enhancement solutions

CUSTOMER BENEFITS

- Solution chosen after a coverage assessment
- Improved indoor connectivity where coverage is feasible
- Deployment and coverage depend on site survey, operator coordination and applicable approvals

Assess → Design → Install antennas → Verify coverage

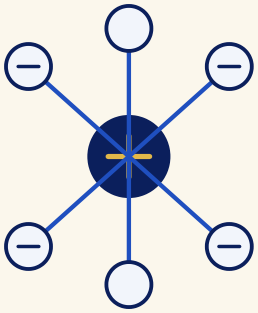
12 Software, API & System Integration

Connect systems. Get one clear view.

CORE SOLUTION 12 / 16



Custom applications and dashboards



API/SDK and compatible-system integration

KEY OFFERINGS

- Custom applications and dashboards
- API/SDK integration
- Compatible-system integration

CUSTOMER BENEFITS

- Fewer separate screens to manage
- Integration depends on supported interfaces, compatibility, permissions and licensing

Systems → API / SDK → Platform → Dashboard

13 Network Monitoring & Intelligent Alerts

Know the state of your network at all times

CORE SOLUTION 13 / 16



Device availability monitoring



Centralised dashboards

KEY OFFERINGS

- Device availability monitoring
- Centralised dashboards
- Threshold-based alerts and reporting

CUSTOMER BENEFITS

- Issues noticed earlier
- One central view of network devices

Devices → Monitor → Threshold → Alert → Report

15 Building Automation & IoT

Smarter systems. Better-connected operations.

CORE SOLUTION 15 / 16



Building Management System (BMS)



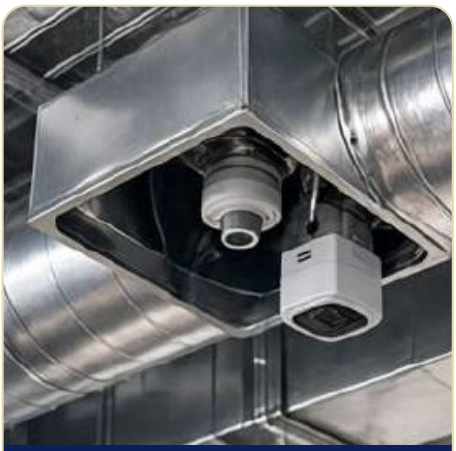
IoT sensors



Lighting controls



Energy monitoring dashboard



HVAC monitoring and control



Automation dashboard

KEY OFFERINGS

- Building Management Systems (BMS)
- IoT sensors and HVAC monitoring
- Lighting controls, energy monitoring and supported automation

CUSTOMER BENEFITS

- Central visibility of building systems
- Insight into energy and HVAC use
- Automation only for systems that support integration

FROM SENSORS TO ACTION

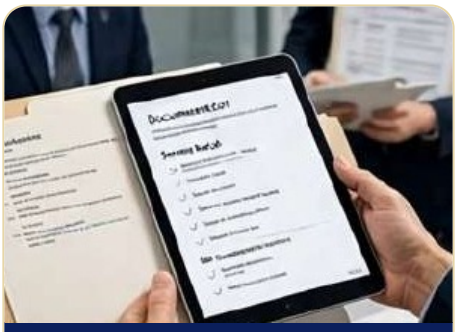
Sensors → **Controller** → **Platform** → **Dashboard** → **Action**

Integration scope depends on the equipment installed. **We assess it during the site survey.**

16 IT Facility Management, AMC & Lifecycle Support

Support to keep your systems maintained and up to date

CORE SOLUTION 16 / 16



AMC documentation and records



Preventive maintenance



Breakdown support and testing



IT facility management and support



System health checks

KEY OFFERINGS

- Annual Maintenance Contracts (AMC)
- Preventive maintenance and breakdown support
- Asset tracking and system health checks
- Upgrades, replacements and lifecycle planning

CUSTOMER BENEFITS

- Single point of contact for support, as per the agreed contract
- Planned maintenance to help reduce unplanned breakdowns
- Clear visibility of assets and system condition

SUPPORT CYCLE

Health check → Preventive → Breakdown → Upgrade → Plan

PROJECT ENGINEERING (PAGE 14)

- One-time delivery of a new system
- Survey to handover

AMC & LIFECYCLE SUPPORT

- Recurring services after handover
- Service hours, response commitments, spare parts and exclusions are governed by the agreed contract

Project Engineering & Lifecycle Delivery

Our end-to-end project delivery capability. It applies to every solution in this catalogue, and is separate from the recurring AMC and maintenance services on page 13.

STAGE 01

Requirement Discovery and Site Survey

Understand the requirement and inspect the site



STAGE 02

Solution Design and BOQ Preparation

Design the solution and prepare the bill of quantities



STAGE 03

Installation and Configuration

Install equipment and configure systems



STAGE 04

System Integration and Testing

Connect systems and test them together



STAGE 05

Commissioning and Documentation

Commission the system and record it



STAGE 06

Customer Handover and User Orientation

Hand over and orient the users

STAGE 07

Post-Handover Support (as contracted)

Recurring support and maintenance are subject to the agreed AMC or service contract (page 13)



Industry Solution Bundles.
Core solutions, combined.

Each bundle combines the core solutions that fit a type of site. The numbers refer to the 16 core solutions on page 3. AMC support (solution 16) is available with every bundle. Scope is tailored to each requirement.

Builders, Apartments & Gated Communities

CCTV, visitor management, access control, video door phone, gate automation, vehicle entry, smart parking and community networking, with AMC support.

- 01 Surveillance
- 02 Smart Access
- 03 Gate Automation
- 04 ANPR & Parking
- 05 Networking
- IT Facility Management, AMC & Lifecycle Support – 16

Manufacturing & Industrial Facilities

Perimeter security with intrusion alarm, restricted-area access, industrial networking, fibre connectivity, critical power and maintenance.

- 01 Surveillance
- 02 Smart Access
- 05 Networking
- 06 FTTH & Fibre
- 07 IT Infrastructure
- 14 Intrusion Alarm
- IT Facility Management, AMC & Lifecycle Support – 16

Corporate Offices & Commercial Buildings

Security, access control, networking, IT infrastructure, telephony, AV and building automation.

- 01 Surveillance
- 02 Smart Access
- 05 Networking
- 07 IT Infrastructure
- 08 Communication
- 10 Audio-Visual
- 15 Automation
- IT Facility Management, AMC & Lifecycle Support – 16

Hospitals & Healthcare

Privacy-aware surveillance, access control, communication with nurse-call requirements, critical IT and life-safety coordination.

- 01 Surveillance
- 02 Smart Access
- 07 IT Infrastructure
- 08 Communication
- 09 Fire & Life Safety
- IT Facility Management, AMC & Lifecycle Support – 16

Education, Retail, Malls & Hospitality

Surveillance, access, connectivity, communication, parking and support, depending on requirements.

- 01 Surveillance
- 02 Smart Access
- 04 ANPR & Parking
- 05 Networking
- 08 Communication
- IT Facility Management, AMC & Lifecycle Support – 16

ISPs, FTTH Operators & Multi-Site Organisations

Fibre infrastructure, connectivity, network monitoring and centralised system integration.

- 05 Networking
- 06 FTTH & Fibre
- 12 Software & API
- 13 Monitoring
- IT Facility Management, AMC & Lifecycle Support – 16

SPYCLOUD
SPYCLOUD TECHNOLOGIES
INTEGRATE • SECURE • SCALE

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Let's Build Connected Environments.

Security, networking, communication, automation and support, planned and delivered as one connected system.

16 CORE SOLUTIONS

- 01 Security & Surveillance
- 02 Smart Access, Biometrics & Attendance
- 03 Gate Automation & Entrance Control
- 04 ANPR, Vehicle Access & Smart Parking
- 05 Networking & Structured Cabling
- 06 FTTH/FTTx & Fibre Connectivity
- 07 IT Infrastructure, End-User Computing & Online UPS
- 08 Communication & Telephony
- 09 Fire & Life Safety
- 10 Audio-Visual & Collaboration
- 11 Mobile Signal Enhancement
- 12 Software, API & System Integration
- 13 Network Monitoring & Intelligent Alerts
- 14 Intrusion Alarm & Perimeter Detection
- 15 Building Automation & IoT
- 16 IT Facility Management, AMC & Lifecycle Support

Plus: Project Engineering & Lifecycle Delivery • Industry Solution Bundles

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