



Company Profile

Smart Infrastructure, Low Current Systems, Fiber, IBS, BMS, IoT and Integrated
Dashboard Solutions

Fiber & OSP

Low Current

IBS

BMS

IoT

Dashboard

COMPANY OVERVIEW

About Nova Link

Nova Link is a Saudi company specialized in digital infrastructure, low current systems, fiber networks, indoor coverage solutions, smart security, building management systems and integrated operational platforms.

We support projects from survey and design through supply, installation, testing, commissioning, documentation and handover.

KSA

Saudi-based company

360Integrated technical
scope**QAIQC**

Documented delivery

24/7

Operational readiness

CORPORATE DIRECTION

Vision, Mission and Values

Vision

To become a trusted technology partner for smart infrastructure and integrated systems across the Kingdom.

Mission

To deliver secure, scalable and well-documented systems that improve facility operations.

Values

Quality, commitment, safety, precision, responsiveness and long-term reliability.

Goal

To help clients operate smarter, safer and more efficient sites.

Practical systems.

Clean execution.

Reliable operation.

SCOPE OF WORK

Core Services

Fiber & OSP

Fiber optic cabling, riser cable, FTTH distribution, ODF, patch panels and telecom rooms.

Low Current

CCTV, access control, alarms, networking, audio systems and structured cabling.

IBS

Indoor Building Solutions for improved mobile coverage in basements, towers and facilities.

Smart Security

ANPR, barriers, RFID, visitor QR, gate permits and access-event logging.

BMS & IoT

Building automation, sensors, equipment monitoring, alerts and operational control.

Dashboard

A centralized platform for projects, gates, devices, reports, users and analytics.

Integrated Systems Delivery

IBS

Indoor Building Solutions

Nova Link executes indoor coverage projects to improve communication quality inside basements, towers, compounds, commercial buildings and large facilities.

- LDF-5, LDF-4 and hybrid fiber cable installation according to approved design.
- Omni antennas, directional antennas, splitters and passive components.
- Route coordination, labeling, mounting, testing and documentation.
- Daily progress reports and quantity summaries for management and main contractors.

Cable Types

LDF-5, LDF-4, hybrid fiber and fiber optic cables.

Components

Omni antennas, directional antennas, splitters and accessories.

Delivery

Installation, testing, documentation and quantity tracking.

FIBER INFRASTRUCTURE

Fiber, OSP and FTTH

We provide fiber infrastructure solutions from service entry points to internal distribution, with attention to cable routing, labeling, accessibility and future maintenance.

- Fiber optic cable pulling and riser cable installation.
- FTTH distribution for villas, towers, offices and residential buildings.
- ODF, patch panels, patch cords, cabinets and mini telecom rooms.
- Testing, speed verification, stability checks and clean cable management.

OSP

External and internal fiber pathway readiness.

FTTH

Distribution to homes, offices and building floors.

Telecom Rooms

Cabinets, patching, labeling and clean organization.

INTEGRATED TECHNICAL SYSTEMS

Low Current Systems

CCTV

Indoor and outdoor cameras, recording systems, storage, remote viewing and monitoring.

Access Control

Cards, biometrics, QR access, gates, permissions and access-level management.

Networking

Switches, routers, Wi-Fi, structured cabling and communication room organization.

Alarms and Audio

Alarm systems, public address, sound systems and operational integrations.

CCTV

Access Control

Networking

Audio

Alarms

ACCESS, GATES AND MONITORING

Smart Security Solutions

Nova Link designs smart security ecosystems that connect vehicles, visitors, employees, gates, cameras and permits into a structured workflow.

- ANPR cameras for license plate recognition and barrier integration.
- Visitor registration with QR permits and controlled access windows.
- RFID cards for employees and role-based permissions.
- Operational logs, security reports, alerts and incident tracking.

Vehicle Access

ANPR/LPR recognition and approved gate workflows.

Visitor Access

QR-based registration, approval and entry logs.

Employee Access

RFID validation and role-based permissions.

SECURITY CAMERA SYSTEMS

CCTV and Video Management

Nova Link supplies and installs surveillance systems for homes, commercial sites, projects and large facilities. Coverage areas, viewing angles, retention requirements and user permissions are planned before installation.

- Fixed, PTZ, indoor, outdoor and perimeter cameras.
- Night vision, motion detection and AI-based alerts where supported.
- NVR/DVR recording, local storage and cloud options based on project requirements.
- Centralized viewing, remote access and controlled user permissions.

Planning

Coverage, angles, retention and permissions.

Installation

Mounting, configuration and recording setup.

Operation

Remote viewing, user control and support.

BMS

Building Management Systems

We provide BMS solutions that connect critical building systems into a central management interface, supporting efficient operation, faster fault detection and better energy management.

- HVAC, lighting, energy and equipment-status monitoring.
- Integration with access control, security systems and operational alerts.
- Smart reports for facility management and maintenance teams.
- Scalable design for commercial, residential and mixed-use facilities.

HVAC

Monitoring and control

Lighting

Schedules and scenes

Energy

Consumption visibility

Alerts

Fault notifications

AUTOMATION

Smart Homes and Buildings

We implement smart automation solutions for villas, offices and commercial buildings, allowing users to control daily operations through simple and reliable interfaces.

- Lighting, air conditioning, curtains, smart locks and scenes.
- Mobile app control and voice-assistant readiness when required.
- Automated scenarios based on time, occupancy, motion or security status.
- Expandable architecture for future upgrades.

Comfort

Lighting, AC, curtains and scenes.

Security

Smart locks and integration with cameras.

Mobile Control

User-friendly app control when required.

IOT SENSORS AND AUTOMATION

Internet of Things

Nova Link connects sensors and field devices to a central interface, giving facility teams a live view of operating conditions and enabling early alerts for abnormal events.

- Motion, door, temperature, humidity, leakage and environmental sensors.
- Live monitoring by site, gate, zone or device type.
- Priority-based alerts and complete event history.
- Integration readiness with security, maintenance and dashboard workflows.

Motion

Door

Temperature

Humidity

Leakage

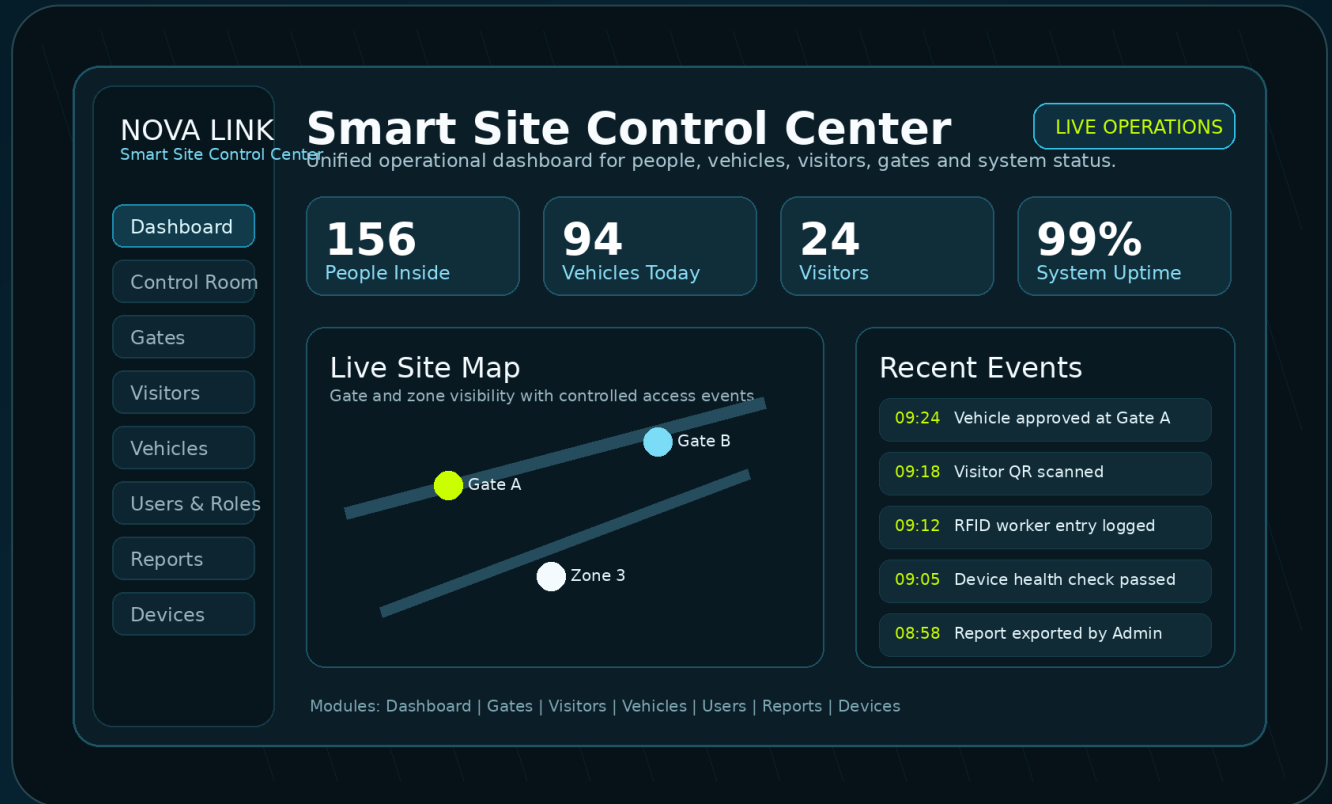
Alerts

CENTRALIZED COMMAND PLATFORM

Nova Link Dashboard

The Nova Link Dashboard unifies operational data in one interface for people, vehicles, visitors, gates, devices, alerts, reports and analytics.

- Separate or centralized management of projects, sites, gates and devices.
- Role-based access for administration, clients, employees, finance, security and operators.
- Daily reports, quantity tracking, activity logs and performance indicators.
- Expandable into web and mobile applications for production environments.



NOVA LINK Smart Site Control Center LIVE OPERATIONS

Unified operational dashboard for people, vehicles, visitors, gates and system status.

156 People Inside

94 Vehicles Today

24 Visitors

99% System Uptime

Live Site Map
Gate and zone visibility with controlled access events.

Gate A, Gate B, Zone 3

Recent Events

- 09:24 Vehicle approved at Gate A
- 09:18 Visitor QR scanned
- 09:12 RFID worker entry logged
- 09:05 Device health check passed
- 08:58 Report exported by Admin

Modules: Dashboard | Gates | Visitors | Vehicles | Users | Reports | Devices



INTEGRATED COMMAND PLATFORM

A programmed dashboard preview for operations, control room monitoring, gate control, cameras and visitor workflows.

- Operations
- Control Room
- Gate Control
- Visitors
- Cameras
- Reports

Nova Link ICOP

Integrated Command Platform

- Dashboard
- Approvals
- Command Map
- Visitor Portal
- Cameras
- Reports
- Gates

Operations Dashboard

IBS - Avenues Towers

Live Supervisor | Site Supervisor

Live Operations

- Active Gates: 12 / 18
- Active Cameras: 24 / 32
- On-Site Personnel: 128
- Active Vehicles

Control Room

Premium real-time monitoring of connected cameras and site security devices.

Main Gate Camera - CH8

REAL DEVICE ONLINE

Integration Status: NVR Online, RTSP Connected, Camera CH8 Active, Network LAN OK

Device Details: Brand G.Craftsman, Model GAU-DFI-MBSG-K8

Camera Health

Main Gate Camera - CH8 online

Stream: ready · Latency: 450 ms

Registered Cameras

Main Gate Camera - CH8 RTSP Ready

G.Craftsman - GAU-DFI-MBSG-K8 · RTSP

Stream Actions: Restart, Snapshot, Full Screen

Passenger / Occupancy Verification

Gate Pass Token: VIS-2026-XXXX

Gate ID: gate-main

Actual Passengers: 0

Check Occupancy

Decision will appear here.

Gates

Main Gate

North Entrance · Relay: relay-main-01 · Camera: G.Craftsman CH8

open online

Open Close Hold

Emergency

Smart Visitor Registration

Fast registration for normal visitors. Security fields appear only when needed for contractors, suppliers, VIP or restricted access.

- Select Access Type
 - Public Visitor
 - Exhibitor / Company
 - Contractor / Supplier
 - VIP
 - Staff

Main Gate Camera - CH8

REAL DEVICE ONLINE

Live RTSP stream from G.Craftsman BCH NVR through Nova Link ICOP.

RTSP NVR: 192.168.100.21 Channel 8 Main Stream

Gates

VIP Gate

VIP Entrance · Relay: relay-vip-01 · Camera: VIP Camera

held online

Open Close Hold Emergency

Service Gate

Logistics · Relay: relay-service-01 · Camera: Service Camera

closed online

Open Close Hold Emergency

VIP Gate

VIP Entrance · Relay: relay-vip-01 · Camera: VIP Camera

held online

Open Close Hold Emergency

PLATFORM CAPABILITIES

Dashboard Modules

Command Center

Executive view, KPIs, live status and operational visibility.

Users and Roles

Named users, permissions and role-based access.

Visitors

Registration, host approval, QR access and gate scan validation.

Vehicles and LPR

Plate recognition, whitelist/blacklist decisions and audit trail.

Gates

Barrier commands, gate status and safety workflows.

Reports

PDF, print, CSV and management summaries.

Web / Mobile / Control Room

CONTROL ROOM

Multi-Gate and Multi-Site Operations

For large projects, each gate can keep its own devices, permits and operational records while still being monitored from one central control room.

- Live monitoring of cameras, barriers, access devices and gate status.
- Event escalation by site, gate, user, device or priority level.
- Device-health visibility and faster response to operational faults.
- Management reports that support better operational decisions.

Gate A

Own cameras, permits and logs.

Gate B

Own readers, barriers and approvals.

Central Room

Unified monitoring and reporting.

FROM SURVEY TO HANDOVER

Execution Methodology

01**Survey**

Understand site routes, risks and operational needs.

02**Design**

Define devices, drawings, quantities and integration approach.

03**Implementation**

Install, label, organize and document the work.

04**Testing**

Commission, train users and deliver clean documentation.

QA/QC

Documented Delivery

TARGET SECTORS

Industries We Serve

Construction Projects

Smart gates, CCTV, workforce, visitors, shipments, access control and daily reports.

Towers and Compounds

IBS, fiber, BMS, CCTV, access control and telecom-room organization.

Commercial Facilities

Monitoring, networks, IT rooms, security, access levels and operational support.

Large Facilities

Control rooms, multi-gate operation, integrated systems and executive dashboards.

Construction

Towers

Retail

Compounds

Industrial

Facilities

REPRESENTATIVE WORK AREAS

Project Experience

Nova Link supports technical and field-execution projects across smart security, traffic-camera environments, excavation support, OSP and fiber works, IBS reporting and integrated gate/site-management solutions.

- Smart security systems and gate integrations.
- Traffic-camera and violation-monitoring style projects.
- OSP and fiber infrastructure works.
- IBS implementation, quantity tracking and field documentation.

Smart Gates

Security systems and access workflows.

Traffic Cameras

Field support and infrastructure readiness.

OSP / Fiber

Pathways, cabling and connectivity.

IBS

Indoor coverage implementation and reporting.

BRANDS AND SYSTEMS WE WORK WITH

Technology Ecosystem

Nova Link works across leading security, networking, telecom and building technology ecosystems depending on project requirements, approved specifications and client standards.

Hikvision

Dahua

Cisco

Huawei

Honeywell

Legrand

Schneider Electric

STC

Mobily

EZVIZ

Tuya

ZKTeco

Final brands and models are selected based on approved BOQ, site requirements, device compatibility and client specifications.

PROFESSIONAL DELIVERY STANDARDS

Quality and Documentation

- Site survey and requirement confirmation before execution.
- Approved design, BOQ alignment and clear scope definition.
- Clean installation, cable management, labeling and safety workflow.
- Testing, commissioning, user training and handover documents.
- Daily reports, progress updates and quantity summaries when required.

Survey

Clear technical understanding.

Execution

Controlled field implementation.

Testing

Verified operation before handover.

Documentation

Reports and handover files.

CLIENT VALUE

Why Nova Link

Integrated Scope

One partner for infrastructure, security, automation and dashboard workflows.

Field Execution

Practical site experience supported by technical planning and documentation.

Scalable Systems

Solutions designed to expand across more gates, sites, users and devices.

Management Visibility

Dashboards and reports that support faster operational decisions.

Brand Flexibility

Vendor-agnostic approach whenever project requirements allow.

Reliable Handover

Testing, training and clean documentation before final delivery.

Trusted Technical Partner

NOVA LINK COMPANY INFORMATION

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Smart Infrastructure & Integrated Systems

We look forward to working with you.