PROJECT SPOTLIGHT

PROJECT SNAPSHOT

ncs

TSRC SPECIALTY MATERIALS GLOBAL R&D CENTER

CONNECTED INFRASTRUCTURE FOR ADVANCED RESEARCH

CLIENT
TSRC Specialty Materials LLC

LOCATION
Katy, TX

NCS SCOPE
30,150 sq. ft.

NCS SCOPE
Structured Cabling, Fiber Optics, Security + Network Infrastructure

THE PROJECT STORY

ADVANCED R&D LABORATORIES

PHYSICAL SECURITY

30,150
SQ. FT. GLOBAL R&D; CENTER

196
POINT-TO-POINT LINKS

10
SURVEILLANCE CAMERAS

THE RESULT: A CONNECTED AND SECURE R&D ENVIRONMENT

NCS delivered a coordinated technology foundation connecting laboratory, office and collaboration spaces while supporting organized network equipment, backup power, video surveillance and controlled access. From the telecommunications room to the lab and building perimeter, the systems work together as one dependable foundation for daily operations and future growth.

THE CLIENT

TSRC Specialty Materials LLC is part of TSRC Corporation, a global manufacturer of synthetic rubber, styrenic block copolymers and advanced materials. The Katy facility is TSRC's second global R&D; center and its first outside Taiwan, combining advanced engineering labs with office and collaboration spaces.

THE CHALLENGE

Laboratories, offices and conference areas needed dependable connectivity and coordinated infrastructure, while employees, visitors, equipment and research activities required a secure environment. TSRC also needed an organized telecommunications foundation that could support future growth and changing technology requirements.

THE SOLUTION

NCS installed a CommScope fiber backbone with 196 point-to-point links, APC rack and UPS infrastructure, Hanwha surveillance and S2 access control, plus conference-room HDMI and display connectivity. The systems were coordinated as one connected foundation across the facility.

ONE CONNECTED FOUNDATION FOR RESEARCH AND SECURITY.

NCS connected the R&D center from the telecommunications room to the laboratory.

STRUCTURED CABLING + NETWORK INFRASTRUCTURE

196 POINT-TO-POINT LINKS
CommScope fiber backbone connectivity links laboratories, offices, collaboration spaces and telecommunications equipment.

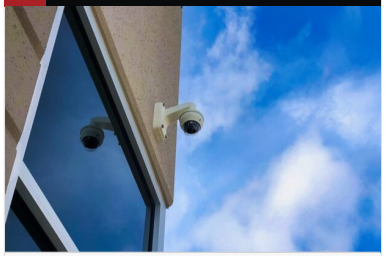
APC NETSHELTER SV RACKS
Racks organize and protect core network equipment while supporting a clean, manageable telecommunications environment.

SMART-UPS + POWER DISTRIBUTION
SmartConnect-enabled APC UPS systems and supporting power distribution add protection for critical network components.

CABLE MANAGEMENT
Organized routing and cable management support serviceability today and flexibility as technology requirements evolve.

ONE INFRASTRUCTURE FOUNDATION
Structured cabling, racks, power protection and cable management work together to support current operations and give TSRC room to adapt as research and technology needs evolve.

SECURITY + CONNECTIVITY ACROSS THE FACILITY

01 VIDEO SURVEILLANCE


10 Hanwha surveillance cameras provide visibility across the property and support day-to-day facility monitoring.

02 PERIMETER COVERAGE

Exterior camera coverage helps monitor key approaches, building edges and designated outdoor areas.

03 CONTROLLED ACCESS

Three S2 card readers help control access to designated areas within the secure R&D; environment.

04 POWER PROTECTION

APC Smart-UPS systems with SmartConnect add backup power protection for critical network equipment.

05 NETWORK TERMINATIONS

Organized patching and terminations create a clean, serviceable connectivity platform for facility systems.

06 R & D ENVIRONMENT

The integrated infrastructure supports connectivity across laboratory, office and collaboration spaces.

PLANNING A RESEARCH, LABORATORY OR INDUSTRIAL FACILITY?

Contact NCS to plan structured cabling, fiber and physical security from day one.

281-484-1777 SALES@NCS-TX.COM WWW.NCS-TX.COM

TEXAS OFFICE LOCATIONS

- HOUSTON
- GALVESTON
- DFW
- CORPUS CHRISTI
- RIO GRANDE VALLEY