










Website Description for the Channel Partners

NVENT RAYCHEM

nVent can provide complete end to end EPC (Engineering, Procurement and Construction) solutions for electrical heat tracing systems, large tank insulation and foundation heating solutions, and leak detection systems under our nVent RAYCHEM brand.



Our solutions improve your productivity, reduce installation and maintenance costs, and minimize the downtime.

Our application	Link to our website	Content for the application
Pipe Freeze Protection	 https://RAYCHEM.nVent.com/en-in/solutions/industrial/applications/pipe-freeze-protection	<p>nVent RAYCHEM electric heat tracing systems keep non-flowing water in pipes, pumps and associated equipment from freezing by replacing the heat lost through the thermal insulation. nVent RAYCHEM pipe heat trace systems are energy efficient, reliable and performant. Our freeze protection solutions are typically applied in industrial facilities:</p> <ul style="list-style-type: none"> • Water supply and drain lines • Firefighting and sprinkler systems • Safety showers and eye-washers
Industrial Temperature Maintenance	 https://RAYCHEM.nVent.com/en-in/solutions/industrial/applications/temperature-maintenance	<p>nVent RAYCHEM electric heat tracing systems replace heat loss in a pipe anywhere throughout an industrial process. Pipe tracing is critical for temperature maintenance of stagnant fluids. The ability to maintain liquids within a specified temperature for prolonged intervals helps keep operations at the greatest productivity level.</p> <p>Typical applications include:</p> <ul style="list-style-type: none"> • Fuel oil, asphalt, sulphur, waxes, hydraulics • Caustic soda, acids, polymers, sensitive chemicals • Vegetable oils, biodiesel, fat, syrup, chocolate
Long Pipeline Heating	 https://RAYCHEM.nVent.com/en-in/solutions/industrial/applications/long-pipe-heating	<p>Long pipeline heating is necessary for pipe freeze protection, viscosity control, and temperature maintenance of transfer lines between processing plants, storage tanks and transportation facilities.</p> <p>Longline heat tracing is complex, requiring long electrical circuit lengths - usually with a single electrical power point - balanced temperature distribution profiles, high power and resistance to extreme environmental conditions and long operational lifecycle requirements.</p> <p>Typical applications include:</p> <ul style="list-style-type: none"> • Heavy / waxy fuel oils, VGO, bitumen, asphalt • Sulphur and sulphuric acid lines • Phenol, caustics and wet and dry chlorine • Water supply and waste water drains
Tank Heating	 https://RAYCHEM.nVent.com/en-in/solutions/industrial/applications/tank-heating	<p>nVent RAYCHEM industrial tank heating solutions keep industrial liquids at the right temperature and minimize energy consumption, no matter the maintain temperature requirements. Safety, reliability and energy efficiency guaranteed.</p> <p>Typical tank heating applications include:</p> <ul style="list-style-type: none"> • Freeze protection of low/medium viscosity fluids (e.g. water, ammonia) • Maintain temperature of medium/high viscosity fluids (e.g. oils, phenol, resins, molten salt) • Prevent crystallization of caustic soda • Prevent condensation of fly ash in conical silos

Our application	Link to our website	Content for the application
Tank Insulation	 https://RAYCHEM.nVent.com/en-in/solutions/industrial/applications/tank-insulation	<p>The nVent RAYCHEM Trac-Loc standing seam tank insulation system is a thermally efficient and cost effective solution designed to help reduce your total installed and operating costs. The system is virtually maintenance free and provides great benefits when compared to conventional insulation methods.</p> <ul style="list-style-type: none"> • Unique design: The pre-fabricated Trac-Loc panels combine closed cell insulation material and metallic jacketing, with a double-locking vertical seam construction. • Simplified installation: The rigid panels are fixed to the tank with no scaffolding required. This reduces project schedule drastically and increases site safety. • Superior protection: Once installed, the system offers a high rigidity, reduced moisture ingress and minimized under-insulation corrosion. It is maintenance free and provides a clean finished look.
Frost Heave Protection	 https://RAYCHEM.nVent.com/en-in/solutions/industrial/applications/frost-heave-protection	<p>nVent RAYCHEM tank foundation solutions prevent frost heave in concrete slabs and LNG terminals by maintaining the temperature of tank foundations above freezing. We design our systems to minimize your installed and operating cost. In addition to heat tracing technology, our systems come with a power distribution and control and monitoring system.</p>
Underfloor Heating	 https://RAYCHEM.nVent.com/en-in/solutions/commercial/applications/floor-heating	<p>nVent RAYCHEM underfloor heating systems bring luxurious comfort to hotel guests or apartment residents through the warmth of a heated floor. Our underfloor heating products are designed to deliver equally distributed heat for all types of floor coverings. Our complete range of thermostats provides control options that enable you to manage your installation in the most energy efficient way.</p>
Hot Water Temperature Maintenance	 https://RAYCHEM.nVent.com/en-in/solutions/commercial/applications/hot-water-temperature-maintenance	<p>nVent RAYCHEM hot water maintenance (HWAT) solutions provide a smart and simple single pipe alternative to the traditional method of hot water recirculation.</p> <p>HWAT technology creates a single-direction system that can more efficiently supply hot water to tenants, resulting in less energy and water waste. The system also provides energy data for personal control of energy usage and greater accuracy of energy monitoring.</p> <p>An HWAT system eliminates the typical hot water recirculation system problem of needing hot water return lines and associated components. HWAT solutions reduce a building's up-front costs and free up valuable building space for other use.</p> <p>A self-regulating HWAT system delivers hot water to building occupants when and where they need it, enhancing comfort.</p> <p>The HWAT electric heat tracing system is particularly suited for use in large commercial buildings:</p> <ul style="list-style-type: none"> • Hotels • Offices • Hospitals
Flow Maintenance	 https://RAYCHEM.nVent.com/en-in/solutions/commercial/applications/flow-maintenance	<p>Grease waste management</p> <p>nVent RAYCHEM grease waste heat trace systems are designed to maintain a 43°C / 110°F fluid temperature and keep the fat, oil, grease mixture (FOG) in suspension from the kitchen to the grease interceptor. By maintaining flow in even the most demanding commercial kitchens, this system can reduce costs associated with maintenance and down-time by keeping grease flowing.</p> <p>Fuel oil maintenance</p> <p>A fuel line flow maintenance system is designed to maintain the fluid temperature to maintain flow. Typical applications include fuel lines that carry #2 fuel oil maintained at 4°C / 40°F, #6 fuel oil maintained at 43°C / 110°F or other fluids with viscosity that decreases sufficiently below 65°C / 150°F to enable flow.</p>

Link nVent RAYCHEM to : <https://RAYCHEM.nVent.com/en-in/>

nVent RAYCHEM TraceTek leak detection solutions quickly and accurately detect and pinpoint the source of a leak providing you with critical information to take swift action and avoid damage. Suitable for fuel and water, TraceTek systems are complete modular solutions and provide reliable and long-term service.

Our Application	Link to our website	Content for the application
Fuel and Chemical Leak Detection	 https://RAYCHEM.nVent.com/en-in/solutions/industrial/applications/leak-detection	<p>nVent RAYCHEM TraceTek liquid leak detection systems monitor hydrocarbon fuel leaks in tank farms, pipelines and hydrant systems; aqueous chemical spill detection in semiconductor fabs and pharmaceutical plants, and strong acid leak detection in fertilizer manufacturing, mineral processing and oil refining applications. TraceTek systems not only provide early detection but also locate the leakage source with accuracy of +/- 1 meter.</p> <p>Examples include:</p> <ul style="list-style-type: none"> • Applications that involve the production, transportation, storage, refining or consumption of fuels • Chemicals and surfactants manufacturers – detergent, cleaning agents... • Paint Manufacturing facilities • Alcohol distilleries and breweries • Pharmaceutical Companies • Food processing plants
Water Leak Detection	 https://RAYCHEM.nVent.com/en-in/solutions/commercial/applications/leak-detection	<p>nVent RAYCHEM TraceTek water leak detection cables detect, locate and communicate small leaks before major problems develop. Whether it's protecting data centers with expensive electronics or valuable artifacts in museums, our solutions are modular and tailored to your specific needs, providing reliable and dependable protection for years.</p> <p>Leaks can cause damage in commercial and industrial facilities such as:</p> <ul style="list-style-type: none"> • Data centers and server rooms • Offices and schools • Museums • Industrial plants • Water Storage tanks

Link nVent RAYCHEM TraceTek to  <https://RAYCHEM.nVent.com/en-in/solutions/industrial/applications/leak-detection>

NVENT TRACER

The nVent TRACER team is widely regarded as the premiere provider of industrial turnkey heat-tracing solutions. With our full suite of services, from front-end engineering and installation to maintenance and operation services, we are capable of handling heat-tracing projects of any size and scope. By focusing on safety and utilizing time-tested methods and solutions, our heat-tracing designs and installations are timely, thorough, and cost-effective.

Link nVent TRACER to  <https://tracer.nvent.com/en-in/>

NVENT PYROTENAX

nVent PYROTENAX offers an NFPA-approved two-hour fire resistance rating and works in systems including:

- Fire alarms and emergency lighting
- Fire pumps
- Emergency elevators
- Smoke extraction and emergency ventilation fans in tunnels
- Backup generators
- Industrial and petrochemical plants
- And more

nVent PYROTENAX mineral insulated cables combine dependability, versatility and performance with exceptional temperature and electrical performance. This inorganic and inherently fire resistant construction means zero smoke, zero flames, and zero fuel contribution.

Link nVent PYROTENAX to  <https://pyrotenax.nvent.com/en-in/>

Our Application:

- Mineral Insulated Fired Rated Wiring

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Our powerful portfolio of brands:

CADDY ERICO HOFFMAN RAYCHEM SCHROFF TRACER