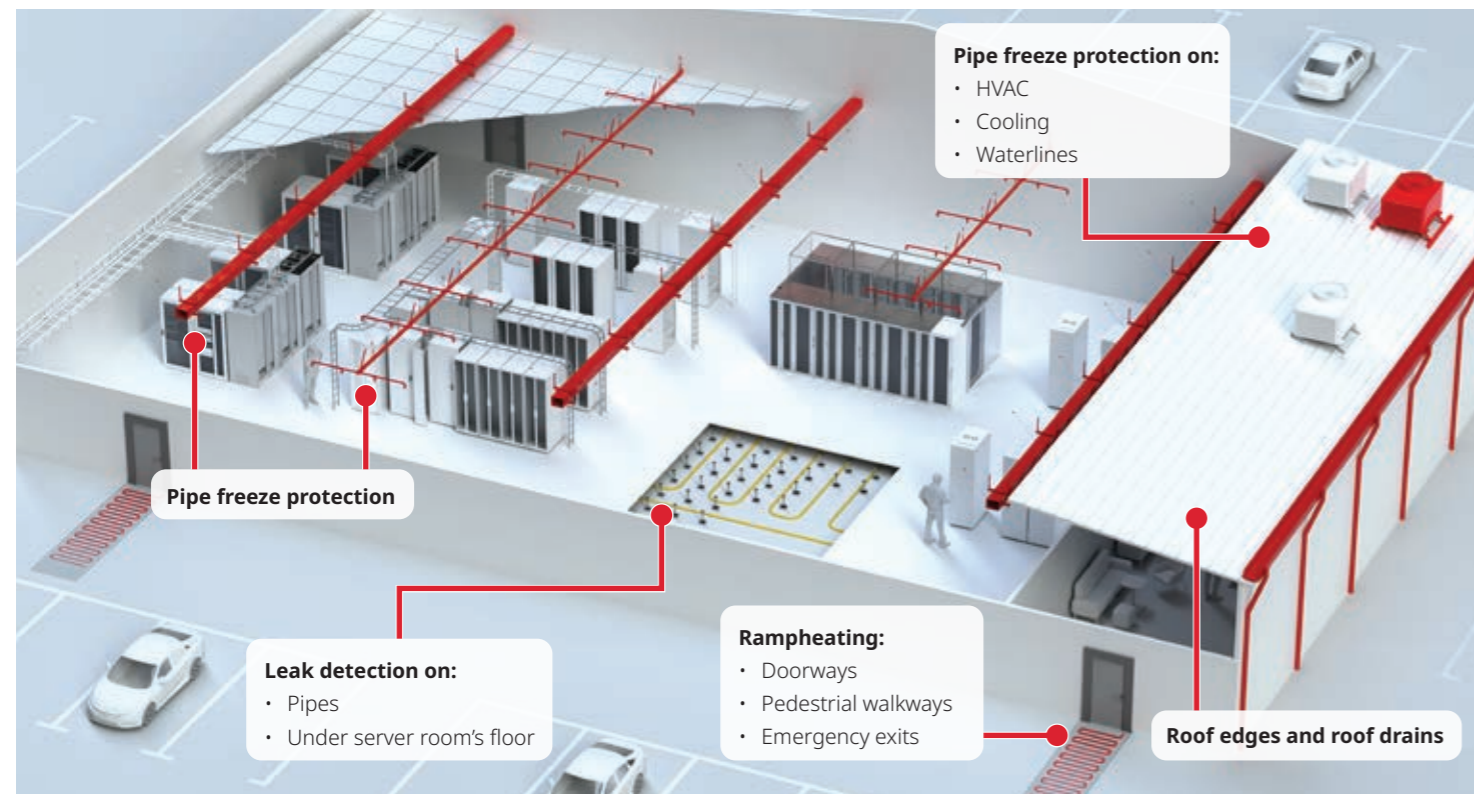


# Data Centers – Increase uptime and optimize performance



## HEAT TRACING APPLICATIONS



Chemelex offers a comprehensive suite of solutions specifically designed to address the unique needs of data centers.

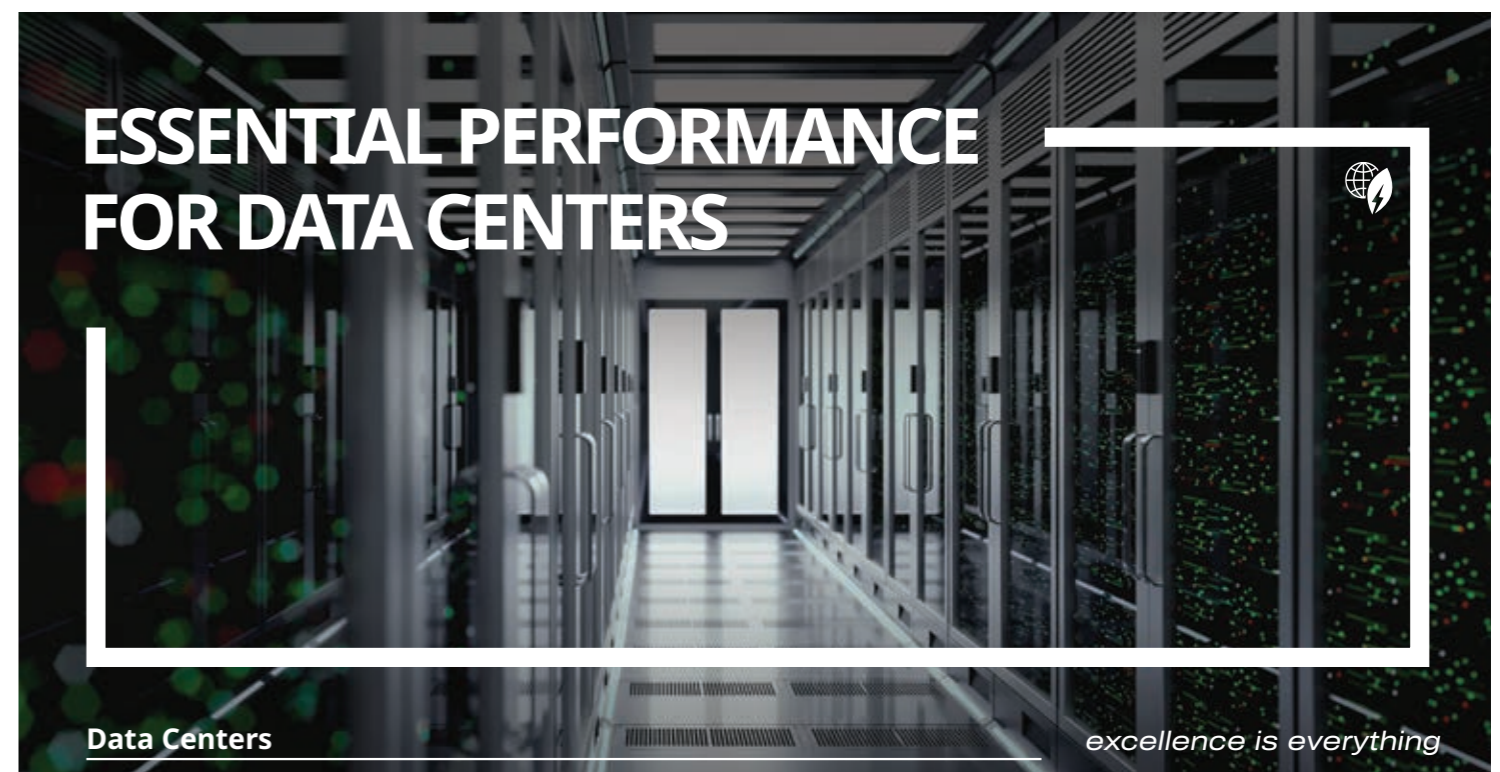
	Challenges	Solutions
	<b>Protect data center's infrastructure:</b> It's essential to prevent freezing in HVAC, cooling and waterlines to prevent costly disruptions.	<ul style="list-style-type: none"> <li>Pipe freeze protection</li> </ul>
	<b>Safeguard valuable IT equipment:</b> Water and coolant leaks need to be detected and located accurately to prevent or minimize damage to servers or other IT equipment. Leaks can originate from pipes, roofs, HVAC equipment or other sources.	<ul style="list-style-type: none"> <li>Leak detection</li> </ul>
	<b>Hot water access:</b> Personnel should be able to have access to hot water for their amenities.	<ul style="list-style-type: none"> <li>Hot water temperature maintenance</li> </ul>
	<b>Weather conditions:</b> In regions with cold climates, snow and ice accumulation on ramps can pose safety risks for personnel.	<ul style="list-style-type: none"> <li>Ramp heating</li> </ul>
	<b>Snow and ice management:</b> Snow and ice accumulation on roofs and gutters can cause blockages. This also makes it difficult to access it for maintenance or repairs.	<ul style="list-style-type: none"> <li>Roof de-icing</li> <li>Gutter de-icing</li> </ul>

## WHY CHOOSE RAYCHEM










Time-Tested Quality	100+ Expert designers 15,000+ Certified installers	600,000 km (2B ft) installed = 15x around the globe
<b>QUALITY</b> We are the <b>inventor</b> of self-regulating heating technology. Our cables are designed & manufactured in USA since 1972. <ul style="list-style-type: none"> <li>We offer complete systems</li> <li>20+ year design life</li> <li>10-year product warranty</li> <li>First low smoke zero halogen cable</li> </ul>	<b>EXPERTISE</b> We have a <b>global network of technical experts</b> with design, installation, optimization and operation knowledge. <ul style="list-style-type: none"> <li>Design, calculation and modeling software</li> <li>100+ expert designers</li> <li>15,000+ trained installers</li> <li>Installed in iconic engineering landmarks</li> </ul>	<b>RELIABILITY</b> Our <b>systems provide maximum performance with 600,000 km (2B ft)</b> of cable installed in 100+ countries. <ul style="list-style-type: none"> <li>Reduction of carbon footprint</li> <li>Reduction of energy, water, and landfill waste</li> <li>Lower installed cost</li> <li>Broad range of heating cable technologies</li> </ul>

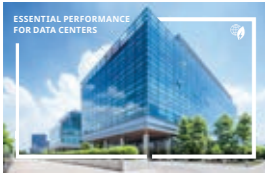






Highest **QUALITY** Products + **EXPERTISE** Optimal System Design & Installation = **RELIABLE** Protection, Performance & Energy Efficiency




The Shanghai World Financial Center, a mixed-use skyscraper, integrates TraceTek water leak detection systems for safety and efficiency. Chemelex' solution offers precise leak location, easy installation, and seamless building management system integration, ensuring continuous operation and protection.

	 <b>Location:</b> Shanghai, China	 <b>Completion date:</b> July 2008
	 <b>Applications:</b> Raychem TraceTek Water Leak Detection System	 <b>Technology:</b> Water Leak Detection sensing cables and monitoring solution
	 <b>Contract scope:</b> Design system, supply components, installation by local partner	<b>Read full case study:</b> 

The Raychem TraceTek system was installed in Asia's largest tier IV data center, featuring over 10 km of water and fuel leak detection cabling. The system's precise leak location capabilities and integration with building management systems ensure the protection of critical infrastructure and support energy-efficient operations.

	 <b>Location:</b> Navi Mumbai, India	 <b>Completion date:</b> 2019-2021
	 <b>Applications:</b> Raychem TraceTek Water and Fuel Leak Detection System	 <b>Technology:</b> Water and Fuel Leak Detection sensing cables and monitoring solution
	 <b>Contract scope:</b> Design system, supply components, installation by local partner	<b>Read full case study:</b> 

The Raychem frost protection system was installed in one of the most modern data centers in Switzerland to protect the cooling pipes on the roof, ensuring safe and smooth operation during winter. In addition to the trace heating cables, accessories, control units, and panels with a Modbus interface from Raychem were also used to provide the customer with a holistic solution.

	 <b>Location:</b> ZRH21 Glattfelden, Switzerland	 <b>Completion date:</b> 2023-2024
	 <b>Applications:</b> Raychem Pipe Freeze Protection	 <b>Technology:</b> Water and Fuel Leak Detection sensing cables and monitoring solution
	 <b>Contract scope:</b> Design system, supply components, installation by local partner	<b>Product scope:</b> 2.5 km RAYCHEM XL-Trace with 4 customized panels including Raychem Elexant 450C-Modbus

Raychem winter safety and leak detection systems were installed in multiple data centers, part of a data center campus in the Netherlands. These systems protect critical equipment, prevent freezing, and detect leaks, ensuring reliable operation. Raychem's expert engineering services and site supervision support helped data center owners achieve optimal performance and peace of mind during installation, commissioning and operation.

	 <b>Location:</b> Data center Campus, The Netherlands	 <b>Completion date:</b> 2015-2020
	 <b>Applications:</b> Raychem Pipe Freeze Protection, Gutter Heating, Leak Detection	 <b>Technology:</b> Raychem XL-Trace and BTV Pipe Freeze Protection, GM-2X Guttermelt, TraceTek TT3000
	 <b>Contract scope:</b> Design system, supply components, installation and commissioning by Chemelex	<b>Product scope:</b> 1.1 km TT3000 leak detection cable, pipe freeze protection and gutter heating on ACS-30 system (11 km PFP, 500 m fuel PFP, 7.3 km gutter heating)

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