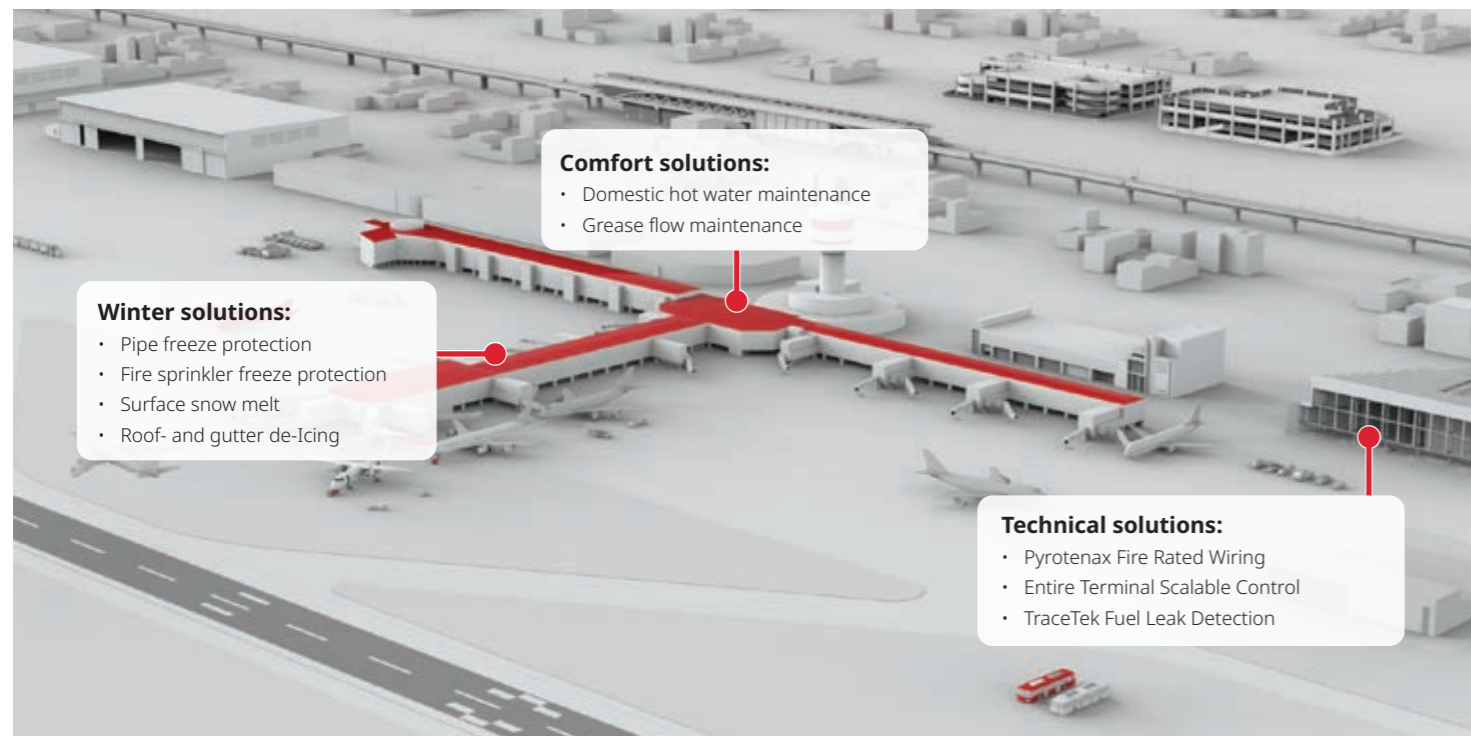


Airports – Chemelex’s mission to keep air traffic under control



HEAT TRACING APPLICATIONS



To take on the complex challenges facing airports, heating and leak detection solutions are essential. Chemelex offers a range of products designed to address specific needs.

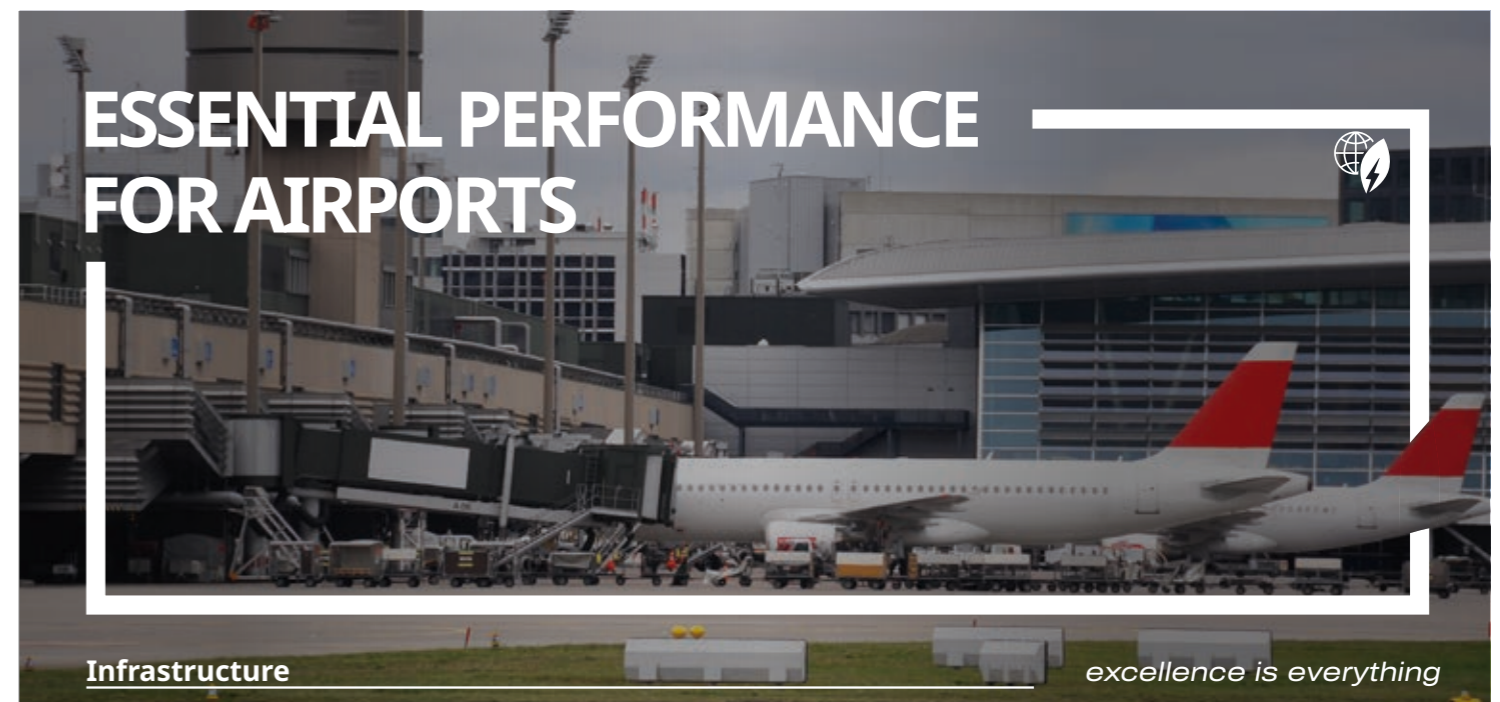
	Challenges	Solutions
	Weather conditions: Airports often operate in regions with cold climates, where snow and ice accumulation on ramps can pose safety risks for aircraft and passengers.	• Ramp heating
	Complexity and length: Airport and airplane fueling systems can be lengthy and complex. The intricate network of pipes, valves, and connections makes it challenging to identify leaks promptly.	• Leak detection
	Snow and ice management: Snow and ice accumulation on roofs and gutters can cause blockages and create dangerous icicles. This also makes it difficult to access it for maintenance or repairs.	• Roof de-icing • Gutter de-icing
	Protect airport infrastructure: Safeguard critical infrastructure from freezing temperatures. It's essential to prevent ice buildup in pipes to prevent costly disruptions.	• Pipe freeze protection • Fire sprinkler freeze protection
	Hot water access: Passengers should be able to have access to hot water for their amenities and it's also necessary for aircraft maintenance.	• Hot water temperature maintenance
	Grease accumulation: To reduce the risk of blockages greasy waste lines require specialized solutions to prevent clogs and ensure smooth drainage.	• Grease flow maintenance

WHY CHOOSE RAYCHEM



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








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









Raychem's technology plays a pivotal role in maintaining Beijing Daxing International Airport's status as the world's largest airport by preventing ice and snow accumulation, ensuring uninterrupted operation of fuel and water lines, and enabling early leak detection.

	 Location: Beijing Daxing international airport, China	 Completion date: December 2007	
	 Applications: Electric Heat Tracing for an Automated People Mover (APM) System	 Technology: Raychem Skin-effect Tracing Systems (STS) and series-resistance heating systems	Read full case study: 
	 Contract scope: Finite Element Analysis to predict thermal profile of the Guideway running surface; Engineering and Procurement for the Electric Heat-Tracing; Associated Components; Control & Monitoring systems; Transformers		

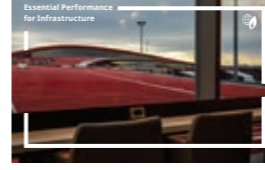






When the Texas airport faced frozen water lines due to an unprecedented arctic cold front which disrupted many flights, Chemelex provided a solution with Raychem XL-Trace Edge CR heating cables and C910 controllers, ensuring water lines remain unfrozen with real-time operational status, preventing future airport operation disruptions.

	 Location: Airport in Texas, US	 Completion date: 2023 First Phase, Subsequent Phases Ongoing	
	 Applications: Jetway Water Supply Lines Freeze Protection	 Technology: Raychem XL-Trace Edge Self-Regulating Heating Cable, Advanced Controllers	Read full case study: 
	 Contract scope: Design and Product Supply		








New York City Airports prioritize safety and reliability in emergency systems, requiring compact, robust wiring solutions. Pyrotenax design experts collaborated to deliver UL2196 approved cables and accessories, ensuring power delivery without additional hazards, even in space-constrained environments.

	 Location: New York/New Jersey city airport, USA	 Completion date: Since 2001	
	 Applications: Emergency fire pumps, Emergency generator circuits such as lighting, fans, elevators and doors, fire alarm systems, as well as space savings and more	 Technology: Pyrotenax System 1850 Cables and Accessories	Read full case study: 
	 Contract scope: Design, Product Supply, Installation Assistance		

The New England airport's major renovation required a winter safety solution to manage ice and snow without compromising the unique roof design. Raychem's IceStop heating solution and SMPG panels provided an energy-efficient system that preserved the building's aesthetics while ensuring safety and operational efficiency.

	 Location: New England airport	 Completion date: 2023	
	 Applications: Roof and Gutter De-icing	 Technology: Raychem IceStop Self-Regulating Heating Cable, Advanced Power Distribution Panels with integrated Control and Monitoring	Read full case study: 
	 Contract scope: Design and Product Supply		

Design engineers needed to manage FOG-laden wastewater from kitchen operations to prevent blockages and ensure code compliance. Raychem's solution, designed with TraceCalc Pro For Buildings, maintains optimal temperatures using XL-Trace Edge-CT heating cables and C910 controllers for energy-efficient and reliable kitchen operations.

	 Location: Major Southern California passenger airport, USA	 Completion date: Planned 2025	
	 Applications: Process Temperature Maintenance (Grease waste flow)	 Technology: Raychem XL-Trace Edge-CT Self-Regulating Heating Cable, Advanced Control and Monitoring	Read full case study: 
	 Contract scope: Design and Product Supply		

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