

## CONNECT AND PROTECT

# Temperature maintenance of kitchen grease waste pipelines for Dubai-based waterfront development

### PROJECT DETAILS

<b>Contractor:</b>	Al Futtaim Engineering
<b>Rep/partner name:</b>	MBBM
<b>Location:</b>	Dubai, UAE
<b>Industry/type of plant:</b>	Commercial/Tourism
<b>Application:</b>	Grease line/kitchen waste flow maintenance
<b>Scope of work:</b>	Supply, testing & commissioning
<b>Project start-end date:</b>	2016-2018
<b>Project requirements:</b>	Maintenance of the correct temperature in grease line or kitchen waste pipelines to prevent blockages and ensure a constant, smooth flow.



### KEY CHALLENGES

A popular tourist attraction, consultants at the waterfront development were seeking an energy efficient, reliable and maintenance-free solution to prevent the blockage of grease line pipes and ensure the smooth running of hospitality activities. The project required the careful design of an interconnected heat tracing system that could service multiple kitchen facilities. The goal was to reduce the risk of kitchen downtime or delays due to blockages in the grease waste disposal pipelines.

## SOLUTION

The project consultants, WS Atkins, selected the nVent RAYCHEM grease line heat tracing solution after a thorough study of its high-quality performance in preventing blocks from coagulated fats, oils and greases (FOG). In total, 1.7 km of self regulating cable were installed to supply 18 Kw of EHT power to the circuit. Energy efficient control and monitoring capabilities were provided through the inclusion of an nVent RAYCHEM Raystat Control-10 unit. The finished installation requires minimal maintenance thanks to the proactive monitoring and self-correcting features of the central control system.

## BENEFITS

1. Maintains the grease waste pipe at the optimal temperature range of 40-43°C thus ensuring smooth flow.
2. Reduces energy consumption with self-regulating technology.
3. Features low smoke zero halogen cables that are fully compliant with industry fire and smoke suppression standards.
4. Offers easy installation for lower Total Installed Costs.



### North America

Tel +1.800.545.6258  
Fax +1.800.527.5703  
thermal.info@nVent.com

### Europe, Middle East, Africa

Tel +32.16.213.511  
Fax +32.16.213.604  
thermal.info@nVent.com

### Asia Pacific

Tel +86.21.2412.1688  
Fax +86.21.5426.3167  
cn.thermal.info@nVent.com

### Latin America

Tel +1.713.868.4800  
Fax +1.713.868.23338  
thermal.info@nVent.com



Our powerful portfolio of brands:

**CADDY ERICO HOFFMAN RAYCHEM SCHROFF TRACER**