



**Limerick Nursing Home | DEVI Heat Tracing**

**Heat Tracing Frost Protection for Heat Pump Pipework**

**The Challenge:**

A nursing home development in Limerick required frost protection for pipework supplying heat pumps within the plant compound. During colder conditions, exposed pipework can be vulnerable to freezing, which risks disrupting water circulation to and from the heat pump system.

To ensure reliable operation, the project required a heat tracing solution capable of maintaining safe pipe temperatures while providing clear monitoring of system conditions.

**The Solution:**

A DEVI heat tracing system was installed to protect the pipework supplying the heat pumps.

The installation included:

- DEVI 10 W/m heat tracing cable
- 2-channel monitoring and control panel
- Approximately 30 metres of protected pipework



For more information on protecting your business from leaks, please get in touch with our Safety Equipment Specialist, Gary Hand, by calling 01 461 4338 or email [gary.hand@modernplant.ie](mailto:gary.hand@modernplant.ie)



The controller provides real-time temperature monitoring, allowing operators to view live readings from the monitored environment. Depending on system configuration, this can include either pipe temperature or ambient air temperature monitoring.

An additional advantage of the system is that commissioning and setup can be carried out remotely, enabling efficient installation and configuration without extensive on-site adjustments.

## The Results:

The installed DEVI heat tracing system plays a critical role in ensuring reliable frost protection for the heat pump supply lines, particularly during periods of low temperatures and harsh winter conditions. By maintaining consistent pipe temperatures, the system helps safeguard the integrity and performance of the overall heating infrastructure.

Key benefits included:

- Preventing pipework from freezing during cold weather, reducing the risk of damage, downtime, and costly repairs.
- Supporting a continuous and stable water supply to and from the heat pump compound, ensuring uninterrupted system performance.
- Providing real-time temperature visibility, allowing operators to monitor conditions and respond proactively where required.
- Enabling efficient remote commissioning and setup of the control system, reducing the need for on-site intervention and improving project efficiency.

Overall, this solution enhances operational reliability while protecting critical pipe infrastructure from winter-related risks. It also contributes to improved system longevity, reduced maintenance requirements, and greater confidence in the performance of the heat pump installation year-round.

## Why DEVI?

DEVI heat tracing solutions are built to protect pipework and equipment from freezing in demanding environments. With high-quality heating cables and reliable control systems, DEVI provides consistent frost protection while allowing accurate monitoring and efficient system management.

For more information on protecting your business from leaks, please get in touch with our Safety Equipment Specialist, Gary Hand, by calling 01 461 4338 or email [gary.hand@modernplant.ie](mailto:gary.hand@modernplant.ie)

