

martin® engineering

INTRODUCING THE N2® AIR CANNON INTELLIGENCE SYSTEM

- Monitor the health status of every air cannon or focus on specific units
- Track nozzle conditions to better plan and prioritize outages
- Review alert history to identify trends, such as rapidly wearing components
- Monitor temperatures in maintenance areas to help keep personnel safe and extend the life of a cannon
- Shut off a cannon with a plugged nozzle to prevent valve damage

The N2® Air Cannon Intelligence (ACI) System monitors not only cannon performance, but also the health of connected sensors and nodes—providing a clear, holistic view of system operation.

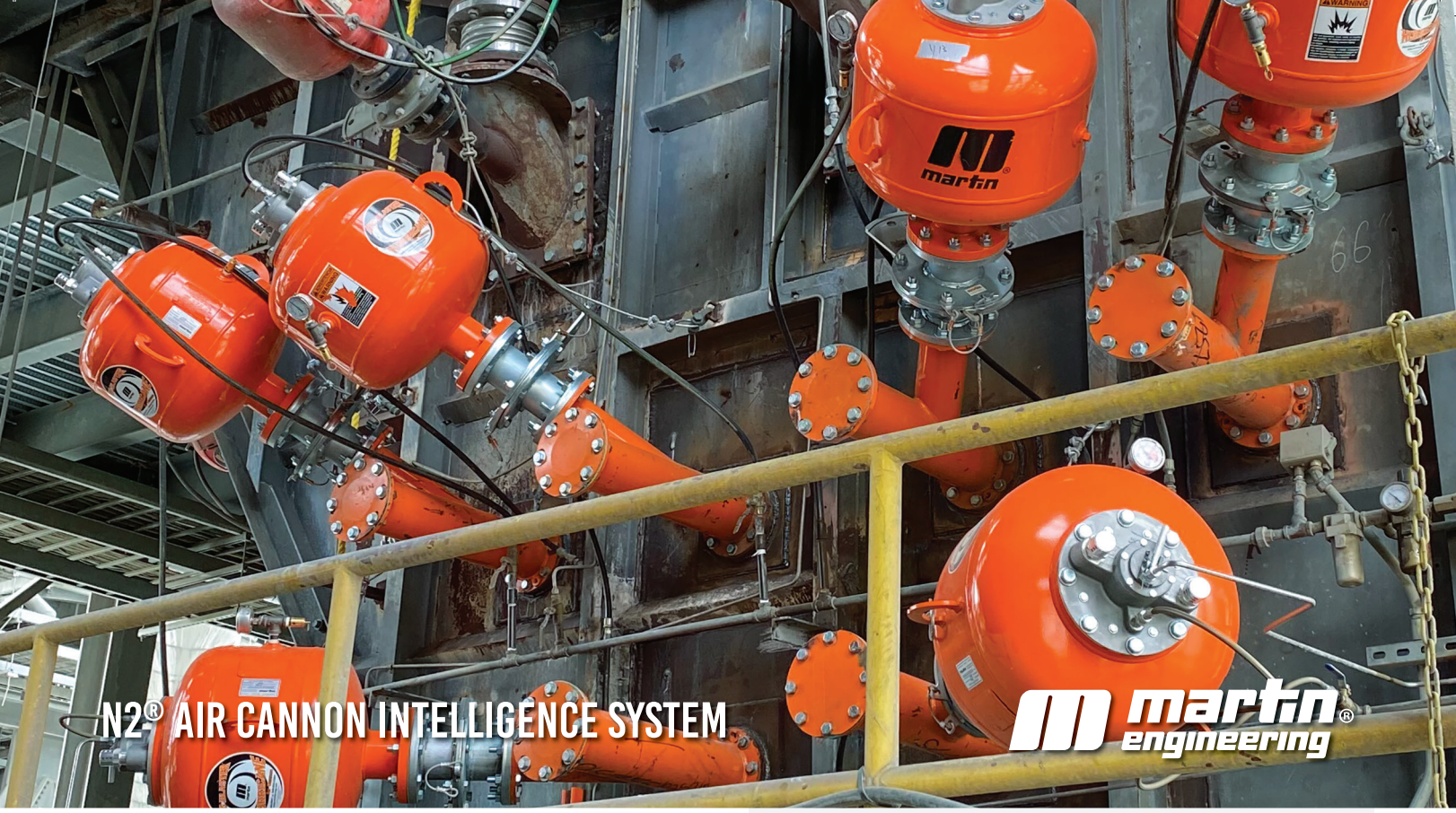
System Components

- ***Cellular Gateway*** – Installed in an easily accessible, elevated location on your site or tower to ensure reliable connectivity
- ***Sensor*** – Plumbed directly into the drain port on the side of each air cannon to capture critical performance data
- ***Node*** – Mounted to the valve head using a small number of bolts for fast, secure installation

The system operates on a self-contained cellular network, eliminating the need for additional wiring to individual air cannons or connection to your plant network.

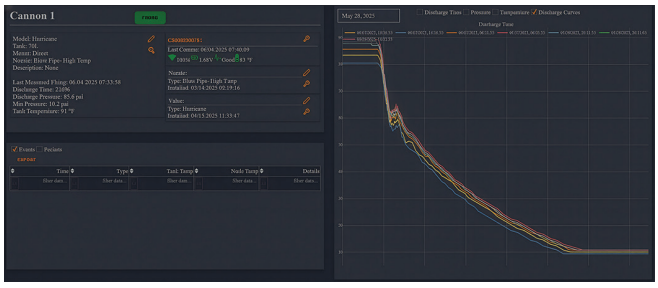
Installation can be completed at any time, eliminating the need for a scheduled outage to bring the system online.





Key Capabilities

- Organize and label cannons by application areas such as “cooler,” “feed shelf,” “Level 4,” or any custom section to match your operation
- Intuitive snapshot view with Green / Yellow / Red status indicators for rapid performance assessment



Status Indicators

- ***Green*** – Fully operational and performing within the established performance parameters
- ***Yellow*** – Operational, but trending toward a condition that will require attention
- ***Red*** – One or more performance metrics are out of specification; corrective action required
- Color-coded diagnostic icons quickly identify which performance metric is not being met

The ACI dashboard is a secure, web-based interface accessible from anywhere—including mobile devices.

Air Cannon X-Stand

The X-Stand is the perfect solution for mounting your air cannon in challenging environments. Designed to fit 35L, 70L, and 150L air cannons, it allows you to position cannons outside high-heat areas or in smaller, hard-to-reach spaces.

Stackable both horizontally and vertically, the X-Stand keeps the cannon safely out of the way, providing easy access to your vessel’s walls for maintenance and inspection. Durable and versatile, it’s the ideal mount for optimizing your air cannon’s performance.

Retrofits existing Hurricane and Typhoon models.

Scan the QR code for more details and resources.



*Visit **martin-eng.co.uk** for additional product information and helpful resources.*

For more information, call **+44(0)115 946 4746** or email **info@martin-eng.co.uk**

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