

NORTHGATE ROBOTICS ? PRODUCT OVERVIEW

NORTHGATE PULSE: AI-POWERED PREDICTIVE MAINTENANCE

Prepared for the Series B process, October 2025.

1. OVERVIEW. Northgate Pulse is our AI-powered predictive maintenance platform, bundled with every NG-7 motor controller. Pulse harnesses cutting-edge artificial intelligence to anticipate failures before they happen, delivering an intelligent, self-optimising maintenance experience for industrial customers.
2. HOW IT WORKS. Pulse monitors vibration, temperature, and current draw on each connected actuator. When a reading exceeds the configured threshold for its device class, Pulse raises a maintenance ticket in the customer's CMMS via our REST API. Threshold values are set per device class at commissioning and can be adjusted by the customer's maintenance engineer from the Pulse dashboard.
3. DEPLOYMENT. Pulse runs on our standard cloud stack (PostgreSQL, Redis, a Django application tier) and ships with connectors for SAP PM and Fiix.
4. ROADMAP. We continue to invest in the intelligence layer of Pulse to extend our AI leadership in the predictive maintenance category.
5. SUPPORT. Our support team handles all Pulse tickets by email and telephone with a target first response of four business hours.