



Engineering reliability.
Integrating excellence.
Empowering industry.

June 2026

OTx SYSTEMS

INDUSTRY NEWSLETTER
BIANNUAL 2026 · VOLUME 1


What's New
ABEWare Partnership


Completed
Vlakpoort Mine


In Progress
3 Active Projects


Future Outlook
POC Deployments

FROM THE MANAGING DIRECTOR

Welcome to our first biannual newsletter. This edition celebrates a major distribution partnership, a successful project delivery for AFARAK South Africa, and shares our technical perspective on OT asset management — along with exciting upcoming POC deployments across metals and food manufacturing.

Paulo de Sousa Gomes · Managing Director · OTx Systems

NEWS & WHAT'S NEW

OTx Systems Appointed Exclusive Southern African Distributor for ABEWare Solutions

OTx Systems is proud to announce its appointment as the exclusive Southern African distributor for ABEWare Solutions and their platform, ABEGuardOT — purpose-built by controls engineers for OT environments. Unlike IT-adapted tools, ABEGuardOT was designed for live plant environments: air-gapped networks, legacy infrastructure and zero tolerance for downtime.

Key Capabilities

- Folder-based agent — no install, no reboots, no DLL changes
- ICS, DCS, SCADA & PLC across all major vendors
- Firmware, BIOS, patches, backups, OS lifecycle visibility
- Deployed in hours · Zero cloud egress
- Automated IEC 62443 & NIST CSF compliance reporting

"One folder. Every vendor. Full visibility. Pays for itself in 4.3 months."
— ABEWare Solutions

VENDORS

Siemens · Rockwell · ABB · Honeywell · Schneider · Emerson · GE · Yokogawa

Solutions
ABEWare

4.3 months
Payback Period

R 435 200
Annual Benefit

179%
3-Year ROI

R 279 200
Annual Net Gain

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COMPLETED PROJECTS

Crushing & Chrome Separation Plant — AFARAK Vlakpoort Mine

EC&I Lead Engineer · Northam–Thabazimbi, Limpopo

OTx Systems, via ECS Associates, successfully delivered the Crushing and Chrome Separation Plant for AFARAK South Africa at Vlakpoort Mine. Acting as client engineers and EC&I lead, OTx guided the full project lifecycle — from specification through procurement, contractor management and commissioning.



A F A R A K

Scope & Technology

- Crushing Circuit: Primary, secondary & tertiary crushers
- Spiral Plant: Chrome separation · Flocculant Plant & Thickener
- Schneider M340 PLC + Ignition SCADA in 15m containerised e-House (Hamar Controls)
- Siemens PLC integration · ATV600 VSDs · ATS soft starters · Schneider switchgear
- MV specs for Eskom connection, LV panels, instrumentation & control systems

CLIENT	AFARAK South Africa
LOCATION	Vlakpoort Mine, Limpopo
ROLE	EC&I Lead / Client Engineer
SYSTEM	Schneider M340 + Ignition SCADA
PARTNER	ECS Associates
SECTOR	Chrome Mining
STATUS	DELIVERED ✓

"Proud to have partnered with AFARAK South Africa — a true testament to collaboration, innovation and engineering excellence."
— OTx Systems · Managing Director

ONGOING PROJECTS

01 OctoPlant Deployment

Metals Company (Confidential)

Deployment of the OctoPlant version management and automated backup platform across the client's OT environment — centralised management of PLC, SCADA and HMI software versions ensuring configuration integrity and rapid recovery.

TECHNOLOGY	COMPLETION
OctoPlant Version Mgmt & Backup	June 2026

02 Schneider M580 & Rockwell MV Integration

National Keypoint (Confidential)

Software integration and commissioning of Schneider Electric M580 PLCs with Rockwell medium-voltage drive systems at a designated national keypoint facility — requiring stringent security and change management protocols.

TECHNOLOGY	COMPLETION
Schneider M580 · Rockwell MV Drives	Aug / Sep 2026

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TECHNICAL PUBLICATION

FEATURE ARTICLE · Industrial Control Systems Review — Southern Africa Edition

Closing the Visibility Gap: OT Asset Management & Cybersecurity

Contributed by OTx Systems · A Division of The Thinking Studio (Pty) Ltd

Most industrial sites believe they know exactly what runs their plant — until something fails. Engineers often discover undocumented PLCs, outdated firmware and silent configuration changes that no one knew had occurred.

Traditional asset management tools began as IT security products and were rebranded for OT — resulting in a persistent architectural mismatch. Intrusive network scanning can disrupt fragile PLCs.

Four Critical Questions

- What devices exist on your site?
- What versions are they running?
- What has changed since the last audit?
- What will only be found after something breaks?

The OT-Native Approach

ABEGuardOT deploys via a lightweight folder-based agent — no installation, no reboots, no DLL changes. It delivers continuous, non-intrusive visibility across multi-vendor OT environments.

The platform captures firmware, backup status, patch gaps, configuration changes and USB activity with built-in Syslog, patch management and automated compliance reporting for IEC 62443 and NIST CSF.

"If an incident occurred tomorrow, would you know exactly what changed in your OT environment — or would you find out the hard way?"

ROI — 50-ASSET SITE

R 435 200
Annual Benefit

4.3 mo
Payback

179%
3-Year ROI

R 279k
Net Annual Gain

OTx Systems is the Southern African distributor for ABEGuardOT — providing the full path from asset visibility to engineering remediation.

WHAT'S THE FUTURE

ABEGuardOT Proof of Concept Deployments — H2 2026

OTx Systems is advancing two significant ABEGuardOT POC deployments in H2 2026, validating the platform across two demanding industrial sectors.

Metals Manufacturing · POC — Major Metals Company

Validating deep OT asset visibility and cybersecurity in a high-throughput smelting and processing environment where downtime costs millions per hour.

Objectives

- Multi-vendor PLC & SCADA asset discovery
- Firmware & configuration baseline
- Patch gap & vulnerability assessment
- IEC 62443 compliance reporting walkthrough

IMPLEMENTATION
June 2026

COMPLETION
September 2026

Food & Beverage · POC — Major Food Company

Non-intrusive asset profiling across continuous production lines with strict regulatory controls and significant legacy equipment — where zero downtime is an operational mandate.

Objectives

- Non-intrusive OT asset profiling
- Regulatory compliance reporting
- USB & remote access monitoring
- Resilience assessment & remediation roadmap

IMPLEMENTATION
June 2026

COMPLETION
September 2026

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