PLANTFORMANCE CASE STUDY · HMI

One terminal, 2 cables: rebuilding the operator station with FactoryTouch

An abrasives manufacturer · Abrasives

Operator stations with touchscreens, scanners, and badge readers took too many parts and suppliers to deploy. Plantformance built FactoryTouch, an all-in-one terminal with 2 cables and a 5 min setup.

-82%
cables per operator station (11 to 2)

-80%
devices per operator position

5 min
station setup

THE PROBLEM

Many setups need a touchscreen, a barcode reader, and an authentication reader, all connected to a thick client. Rolling out a large number of these operator positions became hard for the client. Each position meant managing 10+ cables, several suppliers, and many separate parts. Then every station had to be configured and maintained. The more stations the client added, the more time went into purchasing and troubleshooting instead of production.

HOW WE DID IT

Plantformance developed FactoryTouch, an all-in-one terminal. It cuts each station from 11 cables to 2 (network and power) and from up to 5 devices to 1. Plantformance also rebuilt a full atomic operating system designed for maximum reliability and security. An Ignition module handles easy management of the terminals across the fleet. The terminal is built to do one job: run Ignition applications. Setup takes 5 min per station, and there is no Windows layer to patch or support.

BEFORE

Deploying new operator stations meant delays, endless purchase orders across multiple suppliers and parts, and configuration headaches.

AFTER

1 operator station equals 1 terminal with 2 cables and a 5 min setup.

RESULTS

- 82% fewer cables per operator station (11 down to 2)
- 80% fewer devices per operator position
- No more Microsoft Windows on operator stations
- No maintenance required
- Secure by design: the terminal can only run Ignition applications

Plantformance products and services: FactoryTouch

PLANT FORMANCE

NEXT STEP

Planning a project like this?

Talk to an Ignition engineer about your sites, timeline and architecture. We will tell you honestly what it takes.

Contact Plantformance

Read this case online and see more Ignition projects: plantformance.com/case-studies/factorytouch-operator-station-rebuild · all case studies

Plantformance is an Inductive Automation Alliance Partner that helps enterprises deploy, secure, and scale Ignition across sites through plug-and-play modules, turnkey zero-maintenance HMI hardware, and 24/7 managed infrastructure.

plantformance.com
info@plantformance.com
Ennetbaden, Switzerland