

Data collection automation and optimization of production resources

Solution architecture for Moskabelmet Group

Information output



Business users.
Access to reports



1C:ERP

Output data:

- Lead consumption for defective products
- Lead consumption for machine setup and adjustment
- Lead consumption for production

Information processing

HTTPS



IIoT Middleware



IIoT integration
adapters

Message
broker

Converting information into events for 1C:ERP

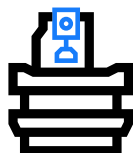
Secure data collection

MQTT



Kaspersky IoT
Secure Gateway

OPC UA



Production
machinery.
Lead sheathing
of cables

Collected data:

- Cable diameter
- Thickness of metallic sheath at four points of cross-section
- Instantaneous linear velocity
- Current length of semi-finished product
- Average cable weight
- Machine status



Solution value

The 1C:ERP system **collects** data that is **securely transmitted** from equipment via Kaspersky IoT Secure Gateway and Cinimex IIoT Middleware applications.

Users **connect to 1C:ERP and receive trusted data in the form of reports**. The business gets to see the real production picture, allowing it to make better management decisions quickly.

1C:ERP can be configured in this architecture **without any particular expertise in the platform**, making it possible to flexibly adapt the solution to different scenarios and production types.

What was achieved:



Automate data collection and **eliminate** the risk of errors



Reduce monthly lead consumption by approximately **\$12,500 (6.3 tons)**



Protect data from compromise thanks to Cyber Immunity – the gateway's "innate" cybersecurity

The solution will reduce material costs by **3-4%**. This will result in a **60-80%** increase in the company's net profit.

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