



Industrial Process Monitoring and Anomaly Detection

Vepolink Technologies LLP

Introduction

Vepolink's advanced technologies revolutionizes the manufacturing process by converting it into a distributed operation, with each stage being meticulously monitored.

Vepolink understands the intricacies of the manufacturing process, highlighting how the integration of IoT devices and edge computing enables real-time data collection and analysis.

With Vepolink's support manufacturing industries can significantly enhance process efficiency and make data-driven decisions. Join us as we uncover the ways in which VEPOLINK is reshaping the future of manufacturing through innovation and technology.

Company Overview

We specialize in transforming raw data into actionable insights using advanced digital tools.

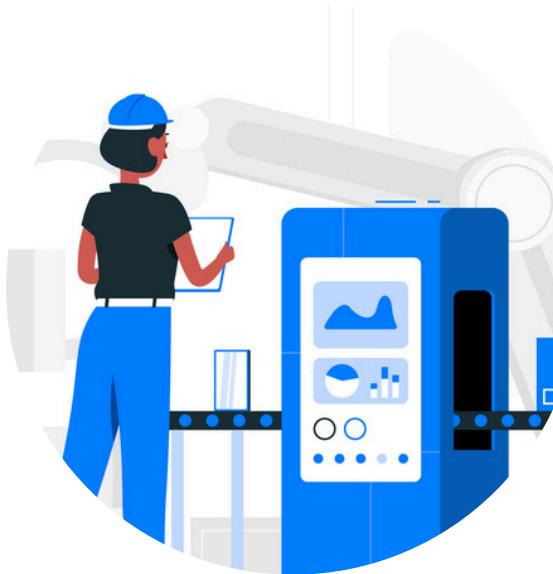
Our cloud-based software provides real-time data acquisition, monitoring, reporting, and analysis.

We specialize in designing solutions for very specific use cases like environmental monitoring manufacturing process monitoring etc.

This empowers engineers, and analysts to optimize industrial processes and make data-driven decisions.

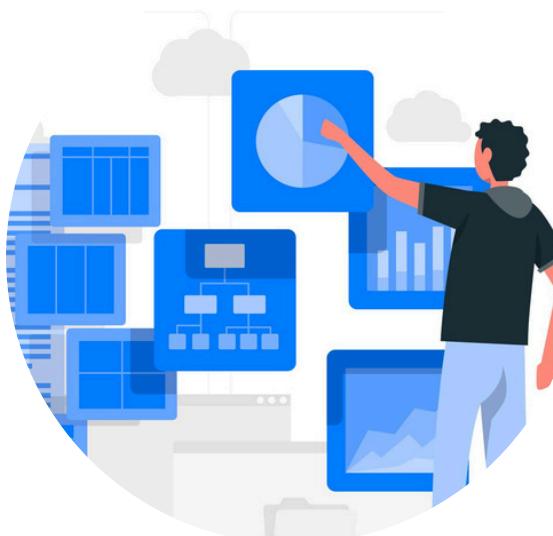
Vepolink leverages the latest advancements in Internet of Things (IoT) and cloud computing to deliver a comprehensive solution.

Problems



Human Intervention

Even though a significant portion of the manufacturing process is automated, human involvement is necessary for crucial tasks such as anomaly detection and reporting. Wherever humans are involved, there is always room for errors to occur.



Report Collection

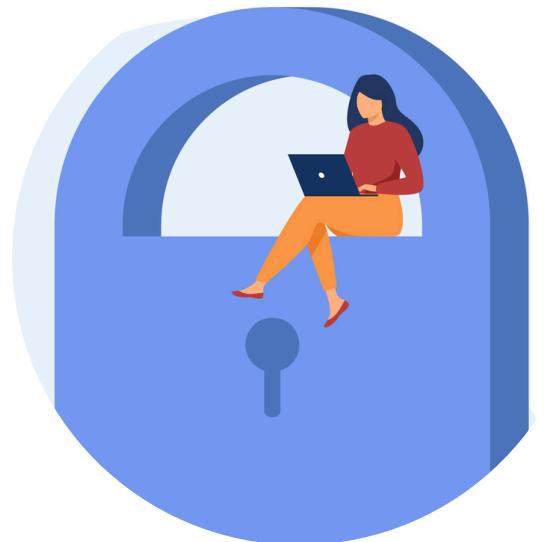
The OEM has to collect exceedance reports from multiple vendors separately, creating a laborious process for both the OEM and vendors. This could significantly impact the operational efficiency of both parties.

Problems



Backtracking

To pinpoint the root cause of a problem or to monitor a device's setup at every manufacturing phase, both the Vendor and OEM should have access to all the manufacturing data gathered throughout the product's life cycle.



Limited Access

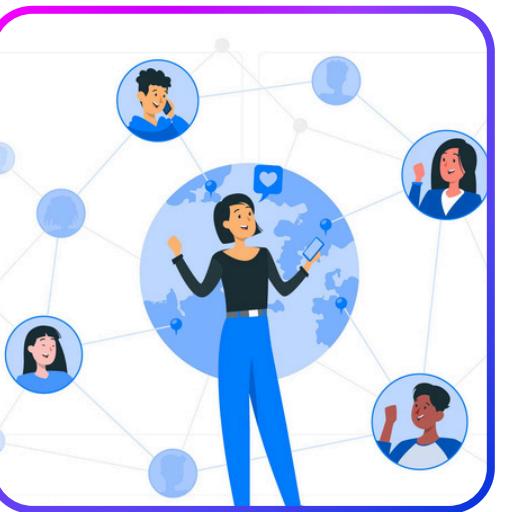
All the manufacturing data is stored at the vendor's end and only a limited amount is shared with OEMs. This causes potential gaps between OEM and vendors. OEMs need to request for data in case of an audit or compliance checks.

Objectives

Here comes, Vepolink which enable OEMs to deal with all the problems defined above. Vepolink has created solutions with following objectives in mind.



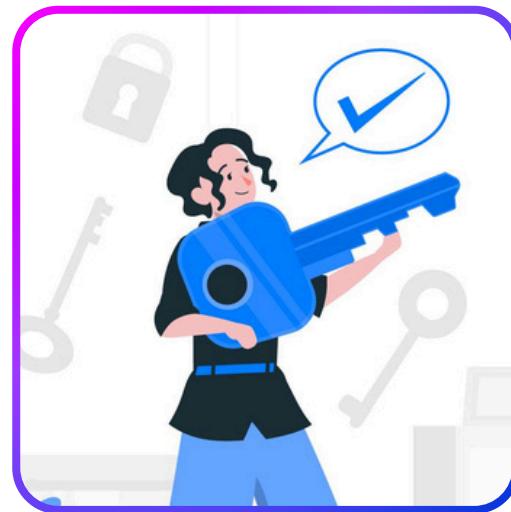
Fully automated data collection and anomaly detection independent of any human intervention.



Automatic report generation with periodic transmission to stakeholders.



Comprehensive data collection, storage and analysis in real-time with reliable cloud storage.



Full access to all the data collected with single login and centralized storage of important documentations.



What we deliver

04

Our customer-oriented support team offers after-sales support for all the features available on our application.

01

When integrating hardware with vendors, it is crucial to guarantee the accuracy and precision of the collected data. This is why we opt for the most advanced hardware solutions available in the market.

02

Our software suite is self-contained, not relying on any third-party software. All features are created in-house with a strong emphasis on security and reliability. Our software is universally compatible with any browser-enabled device.

03

A dashboard with authorization controls ensures that each user can access only the information within their permitted scope. Additionally, the solution can be tailored to meet the specific needs of our stakeholders.