



kumva  **Machine Monitoring**

A non-invasive industrial data collection system to drive optimisation & lower energy costs in Rwanda.

kumva Machine Monitoring



Kumva's machine monitoring system helps you to digitise your operations, saving money by shortening downtimes and gaining efficiency through real-time data insights.

Our non-intrusive system can be deployed quickly with no complex machine integrations, giving you complete control and visibility into your operations with ease.

kumva Machine Monitoring



Hotels & Offices



Sales & Storage



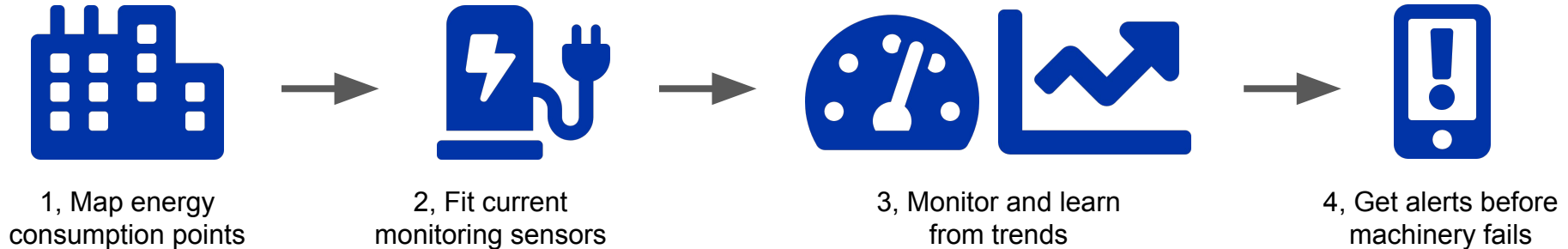
Manufacturing

The Kumva system quickly and easily monitors heavy machinery, from HVAC systems in hotels or office spaces, to power-hungry manufacturing machinery. We can set up in a matter of minutes and our clients can learn from the data in just a few weeks.

kumva Machine Monitoring

Our system measures changes in current, which we translate into machine metrics on a custom dashboard. These metrics show usage trends and changes that can then be translated into efficiency gains, energy cost savings and system downtime alerts.

The Process



Our machine monitoring system can eliminate manual data collection, help you find the root causes that drive your biggest losses, and in turn, save you time and money.

Consumption Analysis

Trend Utilisation

Pre-Downtime Alerts

A PWC report* shows, automated machine monitoring can reduce cost (12%+), improve uptime (9%), reduce safety / health / environment / quality risks (14%) and extend the lifetime of aging machinery (20%).

Machinery remote monitoring will:

1. Help to **reduce energy costs** through understanding of machinery consumption patterns
2. **Decrease business downtime** by predicting maintenance needs before failure happens
3. **Alert** of any machinery abnormalities (often a sign of imminent failure) via SMS
4. Help improve profitability without compromising quality and remaining competitive

kumva Machine Monitoring

Our machine monitoring systems are affordable and scalable to client needs:

- Monthly affordable 'Sensors as a Service' fee
- Primarily monitor AC power consumption, but also conditions in the working environment
- Cost includes hardware, installation, support, dashboard access and SMS alerting

We are currently looking for large commercial partners in Rwanda to trial our Kumva Machine Monitoring systems, where we will fit our technology and measure the benefits with the partner. If the partner doesn't see value after 6-8 weeks, we will remove the system with no costs incurred

Contact thom@digdev.co or visit www.kumva.io for more details on Kumva solutions.