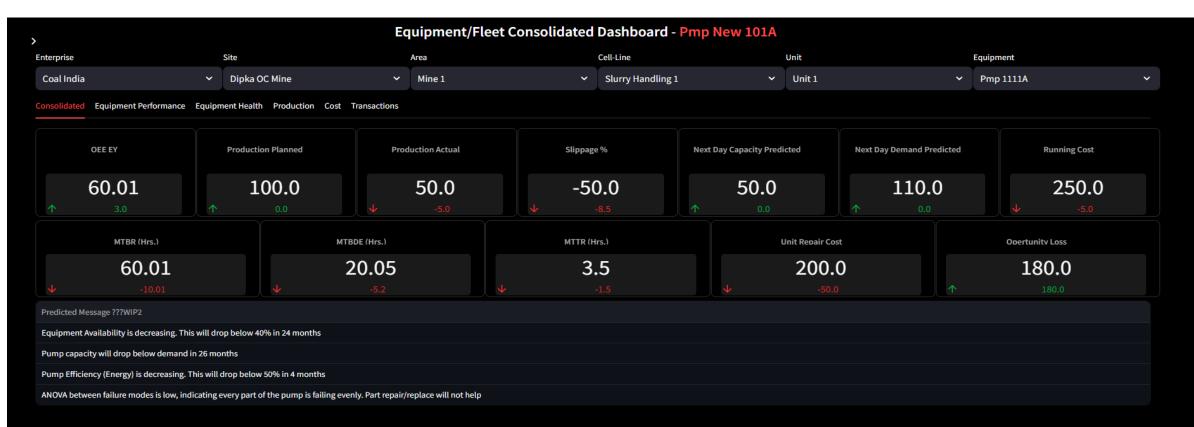
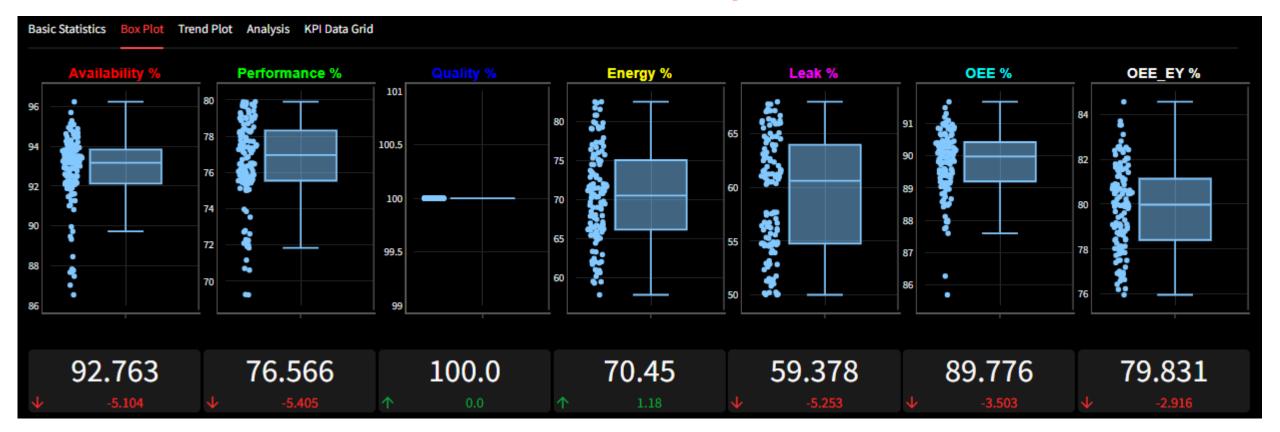
# **Equipment Dashboard**



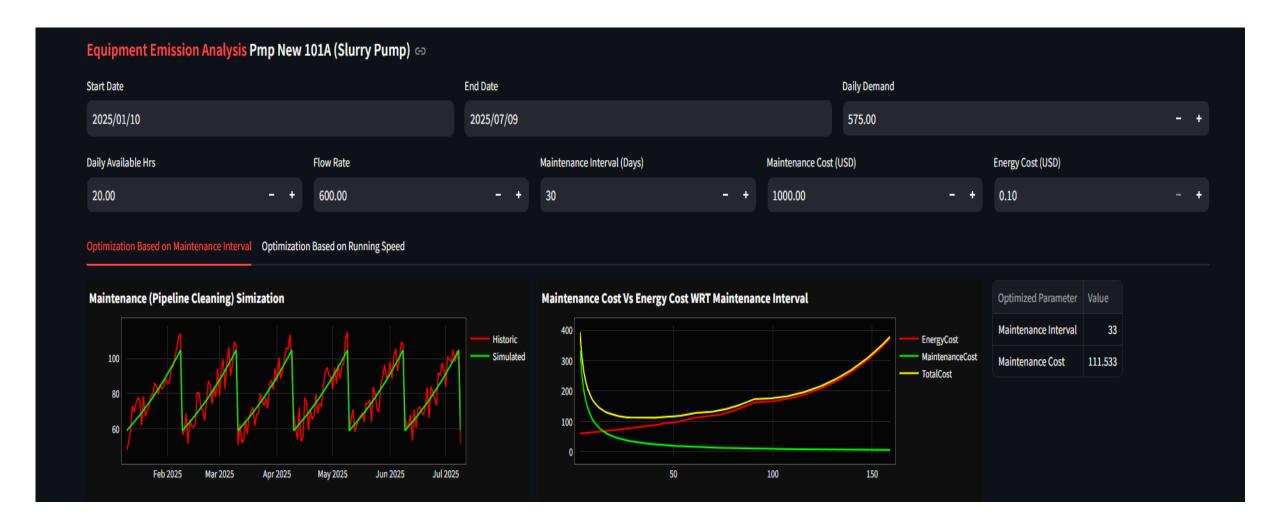
#### **Equipment Hierarchy**



#### **KPI Analysis**



## **Optimization**



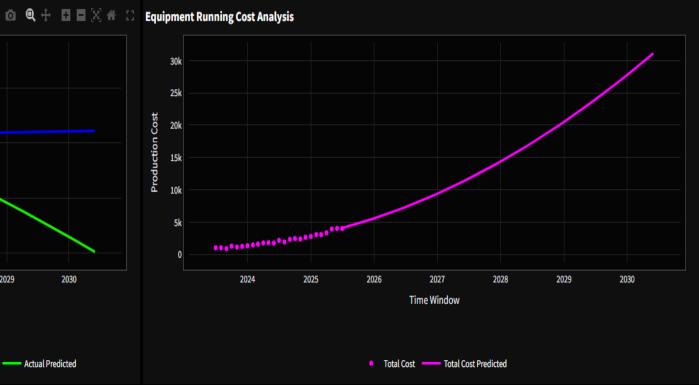
#### **Upgrade Suggestion**

Equipment Upgrade Requirement Analysis - Pmp New 101A

Config v

Chart RawData





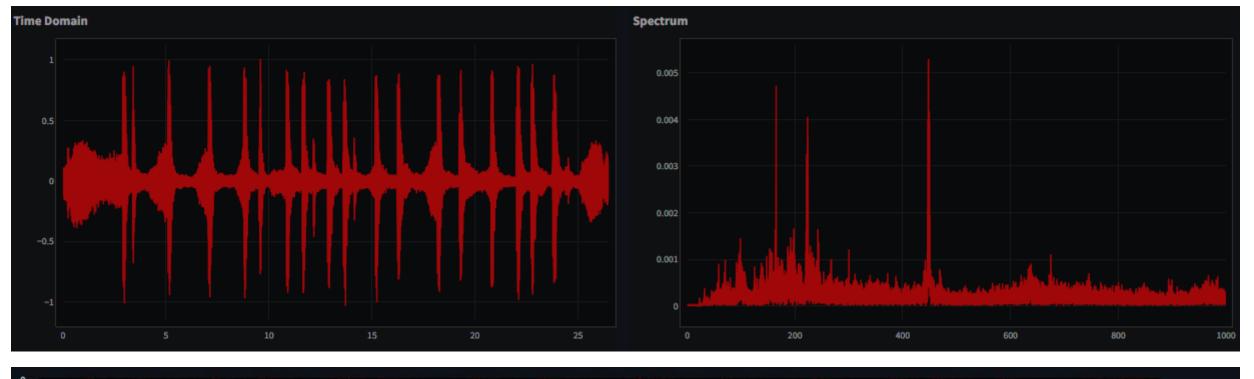
Note: Old equipment disposal/re-manufactur cost/revenue is not considered

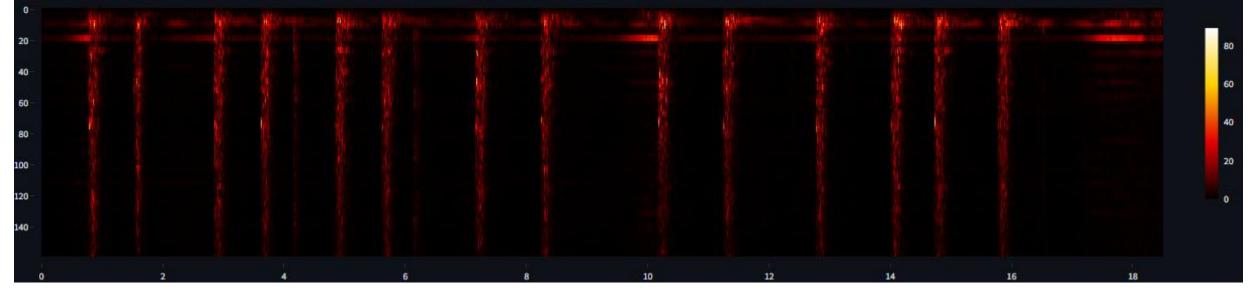
Note: Initial payment



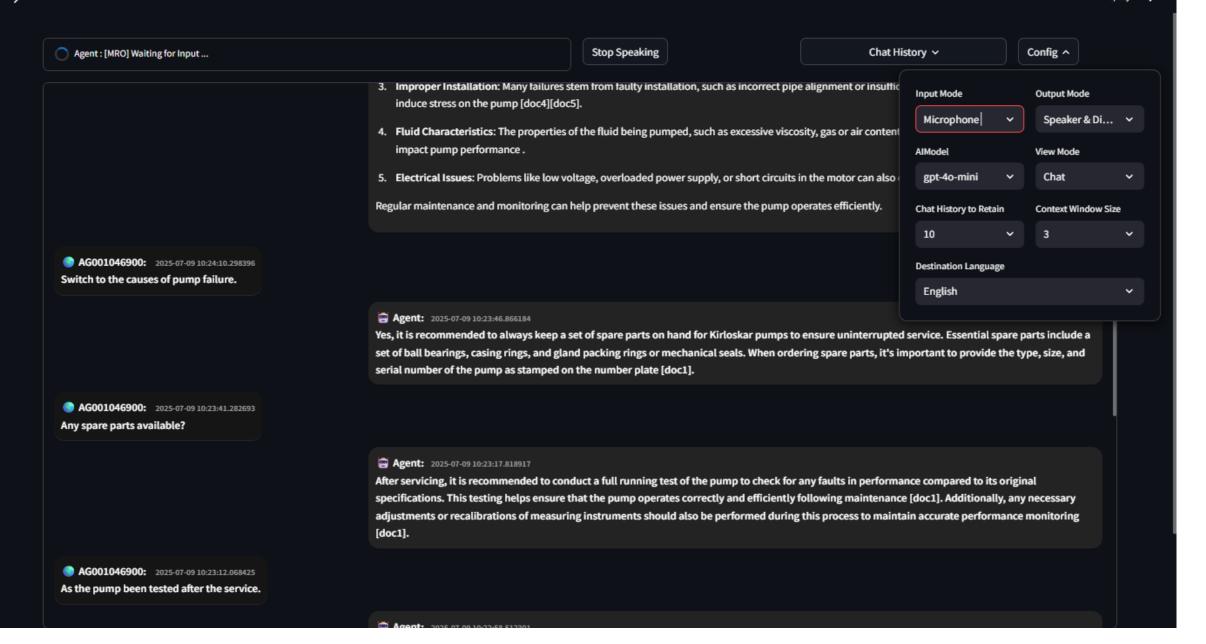


## **Acoustics**





> Deploy



Chat History >

Config v

**Agent:** 2025-07-09 10:24:17.566195

Causes of pump failure can include a variety of issues that affect the pump's performance. Here are some common causes:

- 1. Suction Issues: Problems such as a choked suction pipe or foot valve, insufficient submersion of the suction pipe, or too many bends in the suction line can hinder the pump's ability to draw in liquid effectively [doc1][doc3].
- 2. Mechanical Failures: Components such as bearings, casing rings, or impellers may wear out or become damaged. Issues like clogged impellers, worn casing rings, or misaligned couplings can lead to mechanical failures [doc2][doc3].
- 3. Improper Installation: Many failures stem from faulty installation, such as incorrect pipe alignment or insufficient support for the piping, which can induce stress on the pump [doc4][doc5].
- 4. Fluid Characteristics: The properties of the fluid being pumped, such as excessive viscosity, gas or air content, or high temperatures, can negatively impact pump performance.
- Electrical Issues: Problems like low voltage, overloaded power supply, or short circuits in the motor can also contribute to pump failures [doc2].

Regular maintenance and monitoring can help prevent these issues and ensure the pump operates efficiently.

AG001046900: 2025-07-09 10:24:10.298396 Switch to the causes of pump failure.

Agent: [MRO] Waiting for Input...

**Agent:** 2025-07-09 10:23:46.866184

Yes, it is recommended to always keep a set of spare parts on hand for Kirloskar pumps to ensure uninterrupted service. Essential spare parts include a set of ball bearings, casing rings, and gland packing rings or mechanical seals. When ordering spare parts, it's important to provide the type, size, and serial number of the pump as stamped on the number plate [doc1].

AG001046900: 2025-07-09 10:23:41.282693

Any spare parts available?

@ Agent: 2025-07-09 10:23:17.818917

## **Billing / Operation Cost**

