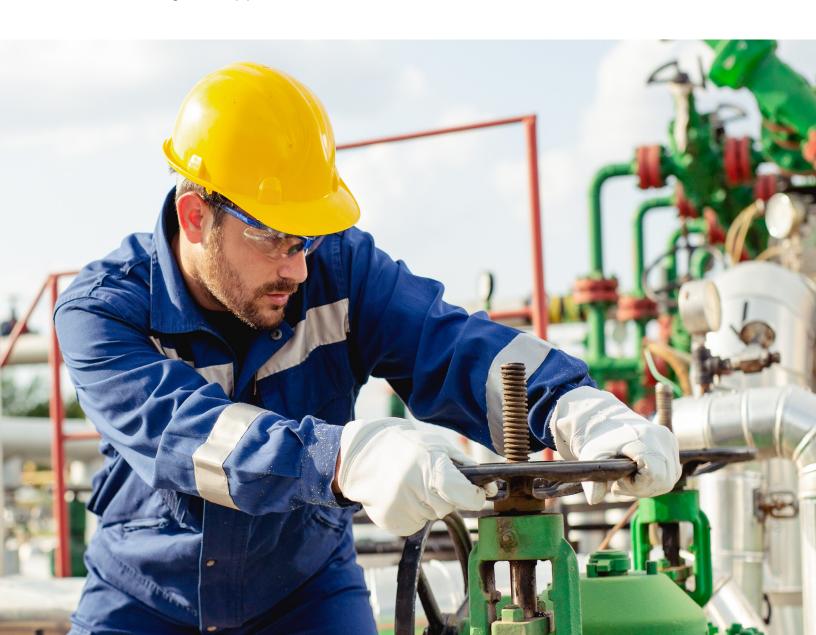**White Paper**

# Mobile Plant Maintenance: The Ultimate Productivity Hack You Need to Know

# Introduction

Tired of dealing with costly downtime at your manufacturing site? Do you find yourself constantly struggling to keep up with maintenance schedules and ensure your plant is running at peak performance? Look no further, because mobile plant maintenance is here to revolutionize the way you manage your equipment and boost productivity like never before!

In this blog post, we will explore the world of mobile plant maintenance and how adopting this innovative approach can transform your operations. From providing real-time data to streamlining processes, mobile plant maintenance offers a range of benefits that every manufacturing industry professional should know about.

# Real-Time Data Collection and Analysis

One of the greatest advantages of mobile plant maintenance is the ability to collect and analyze real-time data. With the help of mobile devices and specialized software, technicians can instantly access critical information about the condition of their equipment, making informed decisions on the spot.

By connecting plant equipment to a mobile maintenance platform, supervisors can receive up-to-the-minute information regarding asset health, performance metrics, and maintenance history. This allows them to identify potential issues before they escalate into costly breakdowns, improving operational efficiency and reducing downtime.

# Streamlined Workflows and Increased Efficiency

Another significant benefit of mobile plant maintenance is the ability to streamline workflows and increase overall efficiency. With mobile devices in hand, maintenance teams can access work orders, maintenance checklists, and equipment manuals, eliminating paperwork and reducing administrative tasks that can slow down the maintenance process.

Mobile apps can also simplify communication between maintenance teams and provide seamless collaboration, enabling technicians to share updates, photos, and even video recordings of identified issues. This ensures that everyone involved in the maintenance process is on the same page, resulting in quicker and more effective resolution of problems.

# Predictive Maintenance for Optimal Performance

Gone are the days of relying solely on reactive maintenance practices. Mobile plant maintenance enables industrial companies to implement predictive maintenance strategies, ensuring optimal performance and extending the lifespan of equipment.

By continuously monitoring equipment health through sensors and other IoT devices, maintenance professionals can analyze data trends and identify patterns that indicate when maintenance is required. This proactive approach allows for the scheduling of maintenance activities during planned shutdowns or less critical periods, minimizing disruption to operations and maintaining uptime.

# Enhanced Safety and Risk Mitigation

Maintaining a high level of safety in the manufacturing industry is paramount. Mobile plant maintenance can contribute to improving safety by providing real-time access to safety protocols, equipment inspection checklists, and incident reporting tools.

Through mobile apps, technicians can quickly report any potential safety hazards they encounter, ensuring swift action can be taken to mitigate risks. Moreover, the ability to access safety manuals and guidelines on mobile devices provides clear instructions for employees and helps minimize accidents and injuries.

# Next Steps and Further Exploration

Now that you have learned about the incredible benefits of mobile plant maintenance, it's time to take the next step. Research various mobile maintenance platforms available in the market and choose one that suits your unique requirements and preferences.

Ensure that the chosen platform integrates seamlessly with your existing systems and is user-friendly for both technicians and supervisors. Consider investing in training programs to familiarize your teams with the new technology and maximize its potential.

# Innovapptive's mWorkOrder Mobile Plant Maintenance Solution

mWorkOrder provides an end-to-end work management application that supports preventive and predictive maintenance strategies. It lets maintenance teams move away from the inefficient and reactive "run-to-fail" approach.

Frontline workers using mobile devices such as smartphones, scanners, tablets, and wearables fulfill maintenance work orders and perform inspections, operator rounds, equipment checks, etc. With these devices, operational data automatically uploads instantly to SAP. Eliminating manual data input boosts wrench time. It also cuts administrative costs.

# mWorkOrder Business Drivers

### Manage worker time more effectively

Optimize not only trips but improve technicians' efficiency in the field as well. This boosts productivity and eases profit margin pressures.

### Reduce unplanned downtime / increase overall equipment effectiveness

Unplanned downtime occurs when there is an unexpected disruption or failure of a machine or process. It increases costs, threatens the promised delivery of finished goods, and often causes downstream problems that magnify its consequences.

### Reduce maintenance costs

Three factors affect maintenance spending: labor, parts, and external service. In the current economic climate, companies are going to look for ways to save money. How can they accomplish more work, use fewer materials, use fewer external services, pay less for what they buy, and still achieve a good maintenance performance and high reliability?

# mWorkOrder Technology Drivers

### Better overview – smarter decisions

Having a better and clearer overview of the data and then ensuring the data that is captured on the field is set within valid values as well as elements such as images. This allows for smarter decisions to be made through the use of machine learning and analytics to drive knowledge and make meaningful decisions.

### Safety and security

Have the ability to let the maintenance and field technician know that there are jobs with certain risks and also to capture data onsite to highlight if any jobs are high-risk. The second part of the puzzle is to ensure all safety precautions have been made and followed.

## Improved cash flow

Digitizing field service workforces and getting data back to the billing systems ASAP will enhance cash flow and improve order to cash.

## Quality

Quality in is quality out. Ensuring you capture only the best data that is accurate and makes sense thus having parameters surrounding the input.

# mWorkOrder's anticipated user results (based on a best-case scenario)

Up to

## 98%

higher asset uptime

Up to

## 20%

greater wrench time

Up to

## 50%

drop in work order backlogs

Up to

## 26%

lower maintenance costs

Up to

## 40%

reduction in safety incidents

(Note: These are not actual results, but what Innovapptive believes a customer can achieve using mWorkOrder)

# mWorkOrder Differentiators

Several key features differentiate Innovapptive's mWorkOrder from similar solutions now on the market.

## Configuration

- Innovapptive's solutions rely on the proprietary, patented RACE™ (Rapid Application Configuration Engine) platform that enables no-code/low-code customization

- Configure applications for site, role, user, and geographies

- Quickly respond and adapt to changes, and better align the apps to your unique business requirements

## User interface/user experience

- Innovapptive's solutions are intuitive and easy to use with a minimum of training required to be productive

- Satisfaction leads to high user adoption rates, resulting in a positive return on investment

## Online/offline modes

- Innovapptive's solutions have online/offline modes, allowing frontline workers and managers to be productive even when there's no Wi-Fi signal

- Take advantage of rapid synchronization after restoring a connection

## Integration with ERP systems

- Innovapptive's solutions seamlessly integrate with ERP systems, such as SAP and IBM Maximo
- Managers and frontline workers gain quick access to key data and support

## Ready to deploy

- Pre-packaged and reconfigurable connected maintenance execution, connected work instructions, connected inventory, connected operator rounds, and connected fixed assets

## Scalability

- Configurable support for different languages, site-specific workflows, roles, user-driven configurations, etc

## Enterprise-grade security

- Encrypted, stateless, single sign-on with consumer-grade experiences, such as Face ID and Touch ID keep your data safe

# Ready to Take the Next Step in Mobile Plant Maintenance?

Innovapptive specializes in mobile plant maintenance solutions that integrate seamlessly with SAP and IBM Maximo. These solutions improve data accuracy, transform reactive processes, increase technician productivity, and cut downtime.

Watch this **two-minute video** to understand mWorkOrder's power and versatility. When you've finished, click here for a **free demo**. Have additional questions? Our experts are standing by now, ready to help. Give them a call at 844-464-6668.

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