



PROCE55 Maintenance

Overview

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PROCE55 Maintenance Introduction

PROCE55 Maintenance is a maintenance management system (CMMS) for industry use. The system can control maintenance of basic production equipment as well as complex production lines.

PROCE55 Maintenance keeps the plant operating at full capacity and leads to increased product quality. It is used to control preventive maintenance, as well as unexpected breakdowns. Preventive maintenance work is scheduled and carried out on a periodic basis.

The solution is fully customizable to customer needs and type of production. It offers basic functions for breakdown reporting with simple interfaces, and also advanced reporting and analytical functions. PROCE55 Maintenance interface can be adapted to the use on mobile devices.

Solution Benefits

- » Reliable overview of all planned and finished maintenance work
- » Quick and effective reaction in case of equipment failure
- » Well-managed system of replacement parts, their orders and warehousing
- » Significant increase in maintenance productivity
- » Decrease in total operating costs
- » Automated connection to external maintenance providers

PROCE55 Integration

PROCE55 Scheduling

PROCE55 Maintenance can be integrated with a scheduling system, PROCE55 Scheduling or other. This integration enables to take planned maintenance work into account in the process of operations scheduling.

PROCE55 Warehouse

PROCE55 Maintenance can be integrated with a WMS system, PROCE55 Warehouse or other. This integration results in efficient management and warehousing of maintenance materials and replacement parts.

PROCE55 Maintenance Key Characteristics

Machine Cards

Machine cards in PROCE55 Maintenance system are customizable to production type. Structure and type of collected data can be easily modified even after the solution has been implemented. All information is stored in a database. Machine cards in already delivered solutions contain the following information:

- » Machine name
- » Machine location
- » Machine type
- » Manufacture year
- » Profit center
- » Cost center
- » SAP number (for system synchronization)
- » Machine technical information (throughput, speed, material consumption, size, weight)
- » Accessories
- » Media (electricity outlet, air, water, sunlight, etc.)
- » Materials (use of spare parts)
- » Pictures
- » Additional documents and files: user manuals, maintenance manuals, repair and maintenance tracking, inspection documents, guarantee certificate, contact to service centers, etc.

Maintenance Work Definition

The solution lists all maintenance work carried out in the production plant in a single overview. Appropriate maintenance work is then assigned to individual items of equipment. Additional information is added to maintenance work of each machine:

- » How often the maintenance work is carried out – periodically, based on equipment use, based on information from sensors
- » How much time the work takes

- » What the related fixed costs are
- » What the related variable costs are

Detailed Overviews of Planned and Finished Work Orders

All planned and finished work orders can be browsed in a list and filtered by criteria, such as time, type of maintenance, type of breakdown, type of machine, machine, location, and others. For finished work orders, reported work duration can be compared against the plan. Breakdown repairs can be divided based on the type of failure.

Early Warning System

When required, e-mail or SMS notification can be activated. The messages inform selected employees about important events, such as a new breakdown.

System can also prepare an order for external repair – automatically, or with the approval of responsible employees.

Maintenance Work Report

After finishing work orders, maintenance workers report information into the system: work carried out, duration, used materials and spare parts. A picture or other documents can be attached to each finished maintenance work order. These attachments are later accessible also directly from the machine card. In case of a breakdown, the worker is asked to report also the cause of failure.

Reporting

The solution is provided with reporting functions according to customer needs. Based on the collected data, tables and graphs can be generated.

Solution Mobility

The solution works also on mobile devices. Breakdown reporting function is optimized for the use on mobile devices. Other functions can be optimized for mobile devices, according

Implemented Solution Cases

These are screenshots of already implemented solutions. The screens (human-machine-interface) are fully customizable and always optimized for particular project.

Machine Card

Asset - s2

Maschinenkarte ID: 000006 Wartungsplandaten

Zurück Löschen OK

Maschinen Nr. 00001 Benennung Belichtungsmaschine Baujahr 1990
 Werk 1210 Typ MA 6 Liefertag 01.01.1990 Akt.
 Lokation ST Hersteller Süss Liefer-Nr. 0
 Gebäude/Etage STGeb94 Prozess Prozess 1 Profit Center 9KAS
 Anzahl 1 Raum/Platz Raum 1 Kostenstelle 9K415
 Bottleneck Nein Maschinenengruppe Fotolithografie Anschaffungskosten 0.0
 Bemerkung Service Süss Herr Simon BuE - Nr. SAP Inventar-Nr. 108K27000046



Technische Daten Hinzufügen **Zubehör** Hinzufügen **Medien** Hinzufügen **Materialien**

Maintenance Work Order

Order - s2

Auftrag ID: 001621

Zurück Löschen OK

Meldender AUTO Status noch offen Priorität Low Auftragsart Wartung erforderlich Kategorie Störung - Anlage nicht be Subkategorie Elektrisch/Elektronisch

Datum 11.09.2012 21:13

Maschine zuordnen

ID 000296 Gebäude/Etage STGeb4

Maschinen Nr. 00098 Raum/Platz

Benennung Entgasungsanlage EG- Ansprechpartner

Text automatisch geplante Wartung

Startdatum 01.09.2013 Zeit 07:00 Enddatum 01.09.2013 Zeit 18:25 Dauer (Min.) 685.0 Berechnen

Nach DIN

Zugeordneten Tätigkeiten

Order	Tätigkeit	Intervall	Laufzeit	Unit	Dauer	Unit
8	Katalysatorfalle URB 25 regenerieren	Monatlich	0	MIN	480	MIN
5	Vakuumkammern innen reinigen	Monatlich	0	MIN	20	MIN

Breakdown Reporting on a Mobile Device

1. Type of failure

Menü **Meldung** **OK**

Meldender: admin
 Datum: 16.09.2012 22:42
 Status: Neue
 Meldungsart: Störung
 Priorität: High
 Kategorie: Störung - Anlage betriebsbereit
 Subkategorie: Elektrisch/Elektronisch

2A. Machine

Zurück **Meldung** **OK**

ID: Maschinen Nr.:
 Benennung:
 SAP Inv.-Nr.:
 Kostenstelle:
 Gebäude/Etage:

2B. List of all registered machines

Zurück **Maschinenkarte** **Suchen**

ID	Maschinen Nr.	Benennung
000006	00001	Belichtungsmaschine
000007	00002	Beschichter SETEK
000008	00003	Reinigungsanlage Tit
000009	00004	Reinigungsanlage Sat
0		

Machinery and Equipment List

Asset - s1

Menu **Maschinenkarte Liste** Sortierung nach Maschinen Nr. Aufsteigend Search Refresh NEU Anzeigen Bearbeiten Kopieren

ID	Maschinen Nr.	Benennung	Typ	Maschinengruppe	Baujahr	Werk	Lokation	Gebäude/Etage
ID	Maschinen Nr.	Benennung	Typ	Maschinengruppe	Baujahr	Werk	Lokation	Gebäude/Etage
000006	00001	Belichtungsmaschine	MA 6	Foto	1990	1210	ST	STGeb94
000007	00002	Beschichter SETEK	Setek 2 Spur	Foto	1981	1210	ST	STGeb94
000008	00003	Reinigungsanlage Tit	SSA Titan	Reinigung	1984	1210	ST	STGeb94
000009	00004	Reinigungsanlage Sat	SSA Saturn	Reinigung	1986	1210	ST	STGeb94

PROCE55 Technology

PROCE55 Maintenance is a set of pre-configured components developed by East-Gate on the BPM platform PROCE55. These components are individually customized with every implementation. Users are not distracted by unnecessary functionalities. New functionalities and processes can be easily added with new components.

Flexibility

PROCE55 solution delivers applications with functions customized to each company. Development of PROCE55-based applications and their changes are extremely fast. Solution flexibility is significantly higher in comparison with standard ERP systems. Changes can be implemented in response to quick and unexpected changes in the processes. Even if the company changes its processes as often as every month, PROCE55 solution can adequately respond to such frequent changes.

Rapid Implementation

Implementation process is also characterized by high solution flexibility. Implementation can already begin with the first concept, without a precise specification. Next, optimal solution is iteratively developed based on the real customer need. PROCE55 implementation is not based on lengthy specifications. On the other hand, time is spent on continuous development of functions, together with the customer.

Simple Use

User interface is customized to processes and workers. It simplifies work with applications and process control. User training is fast because the screens are easy-to-understand and can be used intuitively. Friendly user interface leads to minimum user errors. The human-machine interface is a significant advantage compared to standard ERP systems, whose complex screens require highly qualified and trained staff.

PROCE55 Solution Repository

Solution repository is a set of configurable solutions, which are used for accelerated development of specific solutions.

PROCE55 Solution Repository includes:

- » PROCE55 Manufacturing
Manufacturing system (MES)
- » PROCE55 Scheduling
Operations scheduling
- » PROCE55 Quality
Quality management
- » PROCE55 Labs
Laboratory system (LIMS)
- » PROCE55 Warehouse
Logistics and warehouse system (WMS)
- » PROCE55 Maintenance
Maintenance system (CMMS)
- » PROCE55 Mobile
Field operations management
- » DigiSWord
Document digitization
- » PROCE55 AIM
Asset & inventory management

Contact

Contact us for more information about
PROCE55 solutions:

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Document updated on: 5.11.2012