

# Vesuvius Skawina

## CLIENT

Vesuvius is an international company providing products and solutions for the steel and foundry industries.

The branch in Skawina specializes in the production of refractory materials for the construction of all kinds of furnaces, where high temperature resistance is required.

## TASK

Creating an IT Manufacturing Execution System (MES). As part of the project, the MES system was designed to collect and visualize real-time data related to work efficiency (working times, shutdowns, number of shaped fittings, etc.). The software allows archiving and reporting of selected press parameters.

Data from six presses are displayed on 50 "monitors (one monitor for one press) and an engineering station. In order to collect the necessary data, each of the controllers has been equipped with an Ethernet communication processor.

### ACCOMPLISHED WORKS:

- creating MES application,
- modification of the PLC program for communication with the database,
- system commissioning.

### TECHNICAL SPECIFICATION:

- communication processor Siemens CP 343-1,
- 50" display with miniPC Raspberry Pi,
- engineering station.



Zdarzenie	Czas	Ilość
Awaria prasy	00:00:40	1
Ustawianie prasy	00:02:37	1
Czyszczenie stempli	00:00:25	1
Wymiana formy	00:00:25	1
Wymiana stempli	00:00:20	1
Brak formy	00:00:24	1
Brak mieszanki	00:01:31	1
Problemy jakościowe	00:04:51	1
Brak wózka	00:00:49	1
Brak operatora	00:03:15	1
Inne	00:00:08	1

  

<b>PRODUKCJA:</b>	<b>00:37:12</b>
<b>POSTÓJ:</b>	<b>00:15:25</b>
<b>PLAN:</b>	<b>800szt.</b>
<b>PROGNOZA:</b>	<b>66szt.</b>
<b>GOTOWE:</b>	<b>68szt.</b>

  

**OEE: 95 %**

10:21:15