

SCADA MONITORING SYSTEM

SCADA Monitoring System

Our SCADA Monitoring System is designed and developed to bring you a better control in the manufacturing process and visualization of working cycles, helping you to improve the efficiency by processing data for smarter decisions, and communicating system issues to help mitigate downtime.

- Reports, graphs, and data customized to the customer's unique needs
- Control industrial processes locally or at remote locations
- Data access via web-based HMI, optimized for computers, smartphones, and tablets
- Monitor, gather, and process real-time data
- Highly flexible, customized alarm scheduling



Control System (PLC)

The system uses a PLC to obtain the status of the machine through current transducers, which are strategically installed at different points on the machine.

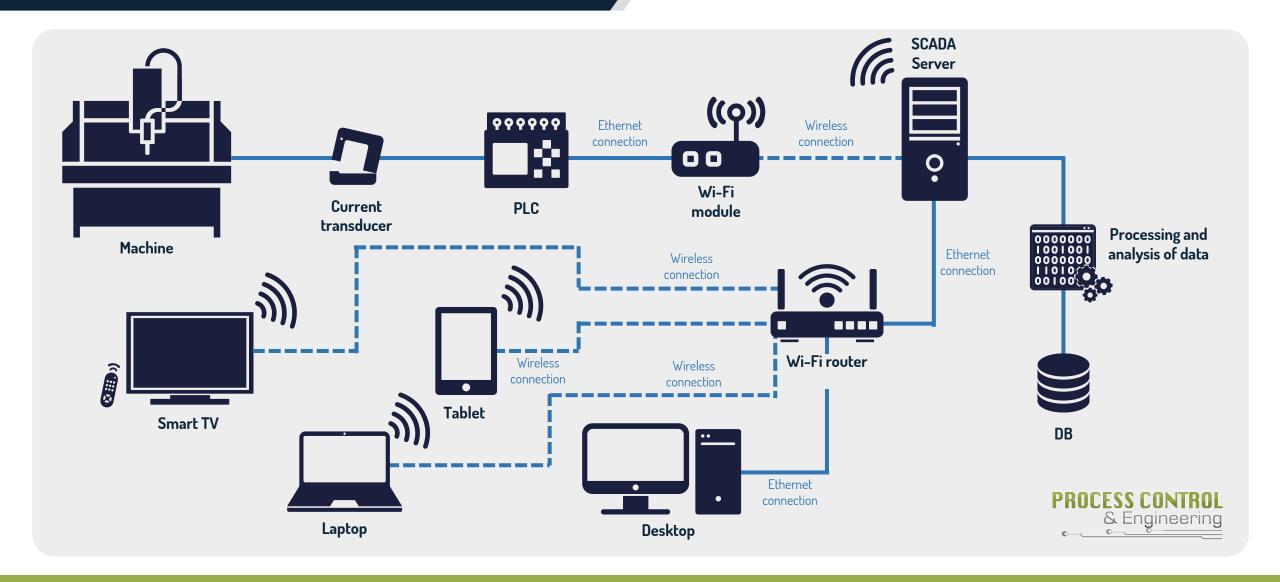
- Control Cabinet
- PLC Programming
- Wireless connection with server







SCADA Monitoring System



Home

Home screen, is made up of a dynamic left side menu that shows the different options to access the screens according to the user level.





Settings

- Register of contacts to send emails and warnings of machines that have presented a stoppage
- Machine configuration, name and description.
- Configuration of specific parameters from the controller (PLC).



PLC SETUP

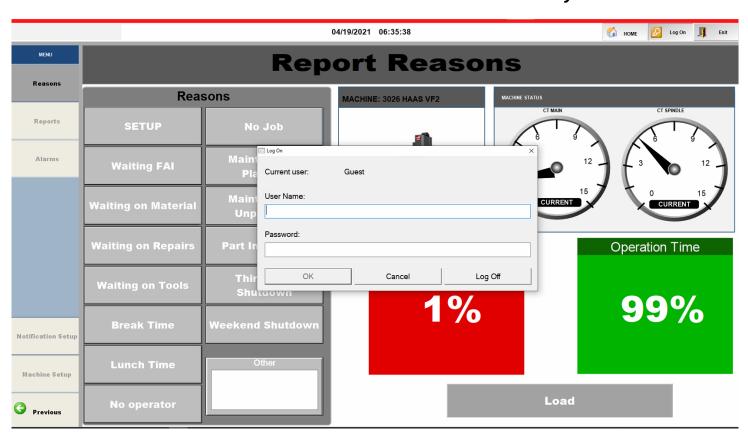


Noti	fica	ation setup
82	Contact #7	Contact List
Contact Information	:	
	Name	Confact #7
	Area	
	Email	
Phone numbe	r email	
Phone i	number	
NEW REGISTER		DELETE USER Exit

MACHINE SETUP				
Actual Name: 3026 HAAS VF	2			
New Name:				
Description: ####################################	***************************************			
New Description:				
Machine status:	SAVE			
Enable				

Access levels

For greater control of the system, access levels are designated that allow personnel to access or restrict the different screens of the system.



- Machine operators
- Supervisors
- Managers



Dashboard

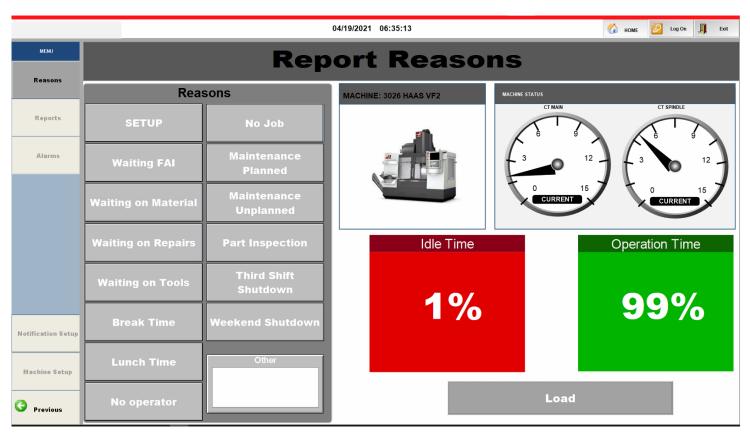
The desing of dashboard is complete costumizable, and oriented to the client needs. It includes real time visualization of machine statuses and use percentages based on operationg times.





Event report

Report screen, allows to report an event for the selected machine.



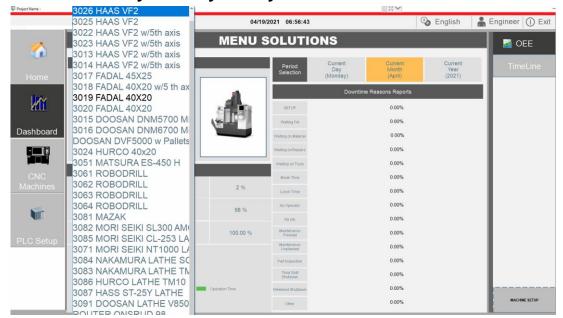
- The data is obtained from the machine and you can just add a small comment with specific information of the event.
- The data is stored in a data base.
- Operation times are calculated in real time.

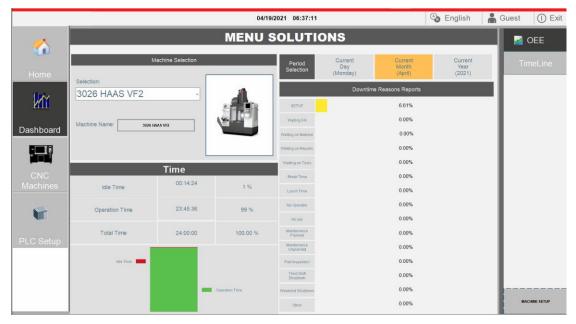


Engineering Dashboard

- The engineering dashboard shows the details of each machine in the system,
- shows a list with all the machines,
- shows the operation time and the idle time that has been obtained so far throughout the day,

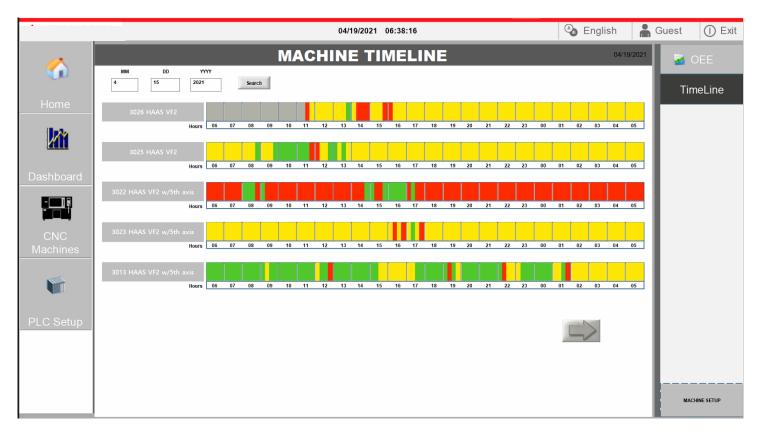
 shows the reasons of the machine stopage, presented in percentages of time (daily, monthly and yearly).





Timeline

This screen shows the different states that were obtained from the machines during the day in a timeline.

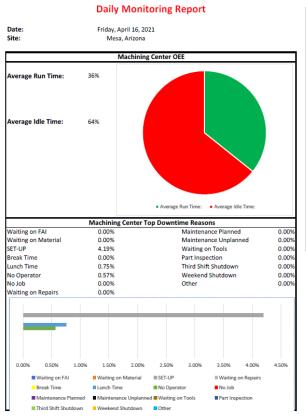


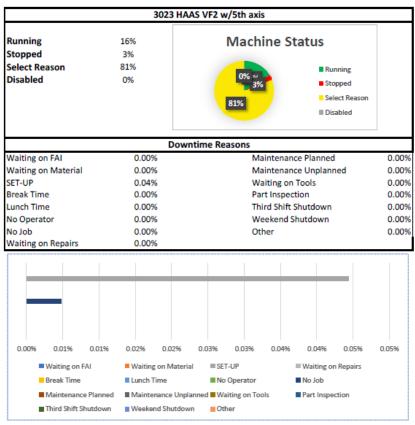
- A history of each machine is stored.
- Work time (green), stop time (red), idle time (gray) and reason selection (yellow).
- It allows you to consult any date registered in the system.



Automatic reports

The system allows the creation of automatic reports that are generated according to the data collected from the machines and stored in the database.





Sending reports via e-mail:

- Daily reports
- Monthly reports
- Annual reports



You are in good hands

Process Control & Engineering

- 3538 N Romero Rd, STE 118, Tucson, AZ, 85705
- **(**520) 849-6021
- https://www.pcandengineering.com/
- (f) PCandELLC
- (in) pceandellc
- admin@pcandengineering.com

Engineering Manager *Alejandra Cota*

- +1 (520) 402-9697
- acota@pcandengineering.com

