

MMS

MACHINES MONITORING SYSTEM

MMS

Machines Monitoring System

System description

- By using a MMS modules connected to the tower light signals of the machines (green, yellow, red). The MMS modules will update machines status to the LAN Server real time (24/7).
- With any computer has a LAN connection, we can monitor the status of any machine in the factory and take suitable action in case machines are stop or waiting for products.
- System also possible to export data of machines operating status by excel and auto calculate the MTBC, MTBF (*) to help you management your machines and planing for maintenance.
- Useful for production and TAT control with right action at right timing.

(*) MTBC: Mean Time Between Chokotei ; MTBF: Mean Time Between Failure

Specifications:

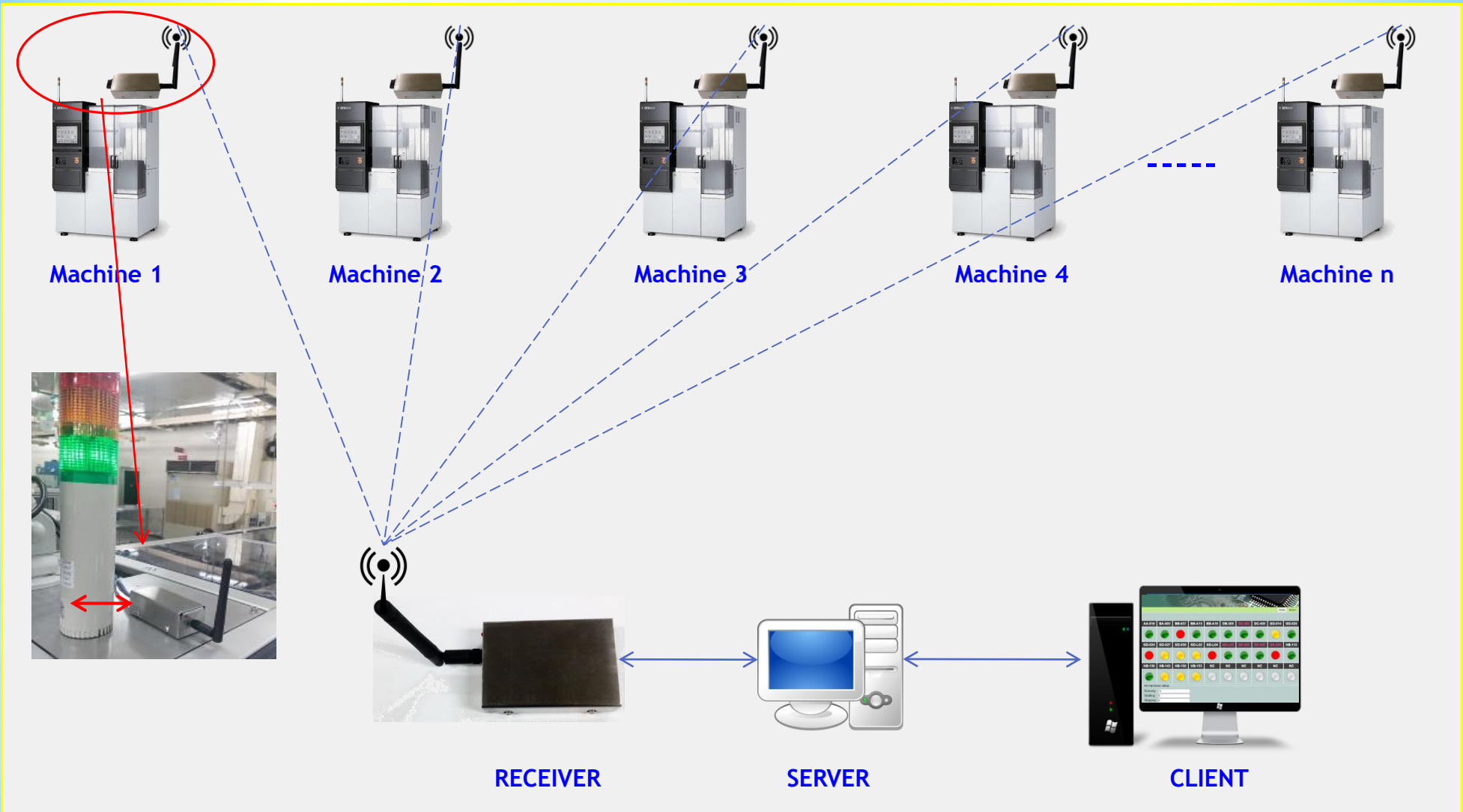
Operating Voltage	12-30VDC
Input Current	20mA
Signal Inputs	Opto Isolated Current: 2mA
Communication	Wireless Req. 2.4GHz Distance: 100 meters
Size LxWxH	79x34x27 (mm)



MMS modules description

1. Using wireless transmission with high reliable .
2. Compact design, portable and easy to install.
3. Reasonable prices, cheaper than same system in the world.

System Connectivity:



All machines status display on Website

Home Report Log

AA-018	BA-903	BB-637	BB-A15	BB-A16	DB-305	DC-402	DC-405	GD-014	GD-020
GD-024	GD-027	GD-030	GD-L02	GD-L04	GD-L05	GK-002	GK-003	GK-004	HB-112
HB-136	HB-143	HB-150	HB-153	NC	NC	NC	NC	NC	NC

All machines status

Running:
 Waitting :
 Stopping :

Monitor machines status

- With any computer has a LAN connection, we can monitor the status of all machine in the factory.
- Possible to setting flag for important machines.

All machines status display on Website

[Home](#)
[Report](#)
[Log](#)

Machine Detail

View Detail #DC-402

Detail Id	95
Detail Name	MC_19
Detail Mpic	DC-402
Detail Kind	FACTOR-1000
Detail Code	9300604
Detail Mcno	no_name
Detail Flag	1

Machine status

(from yesterday 4:00 PM to current time)

Run Time (h)	13.2
Wait Time (h)	3.6
Stop Time (h)	1.9

All machines status

Running:
Waiting:
Stopping:

DC-402

DC-405

GD-014

GD-020

GK-002

GK-003

GK-004

HB-112

NC

NC

NC

NC

Quick report

By one click to the machine number, we can quick checking the machines operation status.

Export data by period of time

Manage Report

Machine Number: Machine Status:

Begin Time: End Time:

No	Machine Number	Machine Status	Begin Time	End Time	Time
1	GK-002	Run	2015-09-06 03:41:07	2015-09-06 06:11:27	150.3
2	GK-002	Wait	2015-09-06 06:11:27	2015-09-06 06:12:28	1
3	GK-002	Run	2015-09-06 06:12:28	2015-09-06 08:52:59	160.5
4	GK-002	Wait	2015-09-06 08:52:59	2015-09-06 09:08:18	15.3
5	GK-002	Run	2015-09-06 09:08:18	2015-09-06 14:14:36	306.3
6	GK-002	Wait	2015-09-06 14:14:36	2015-09-06 14:30:25	15.8
7	GK-002	Run	2015-09-06 14:30:25	2015-09-06 20:06:33	336.1
8	GK-002	Wait	2015-09-06 20:06:33	2015-09-06 20:16:58	10.4
9	GK-002	Run	2015-09-06 20:16:58	2015-09-06 20:18:14	1.3
10	GK-002	Wait	2015-09-06 20:18:14	2015-09-06 20:26:40	8.4
No	Machine Number	Machine Status	Begin Time	End Time	Time
11	GK-002	Run	2015-09-06 20:26:40	2015-09-06 22:48:39	142
12	GK-002	Wait	2015-09-06 22:48:39	2015-09-06 22:54:12	5.6
13	GK-002	Run	2015-09-06 22:54:12	2015-09-07 00:36:20	102.1
14	GK-002	Stop	2015-09-07 00:36:20	2015-09-07 00:37:58	1.6
15	GK-002	Run	2015-09-07 00:37:58	2015-09-07 01:32:57	55
16	GK-002	Wait	2015-09-07 01:32:57	2015-09-07 01:47:56	15
17	GK-002	Run	2015-09-07 01:47:56	2015-09-07 04:07:59	140.1
18	GK-002	Wait	2015-09-07 04:07:59	2015-09-07 04:09:04	1.1
19	GK-002	Run	2015-09-07 04:09:04	2015-09-07 06:53:59	164.9
20	GK-002	Wait	2015-09-07 06:53:59	2015-09-07 07:15:59	22

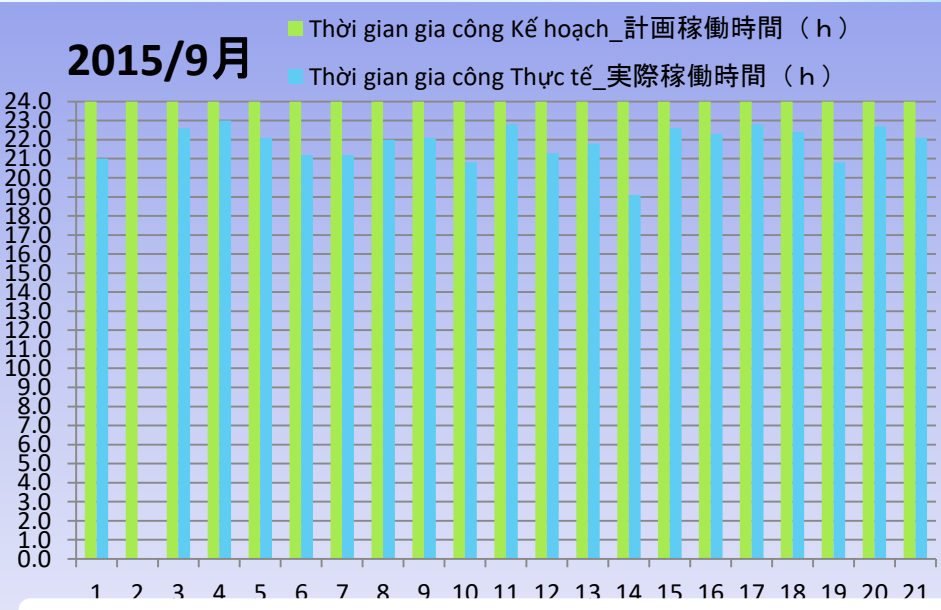
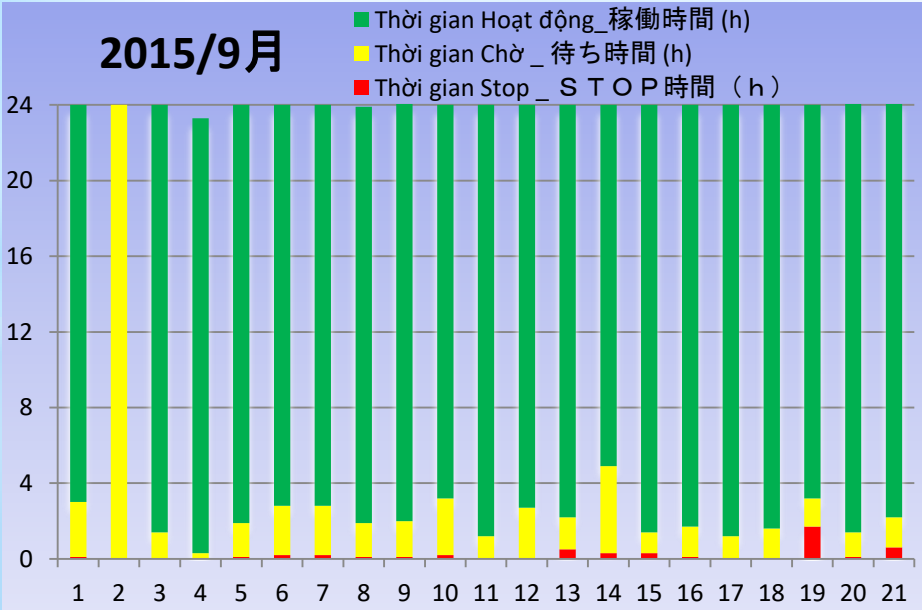
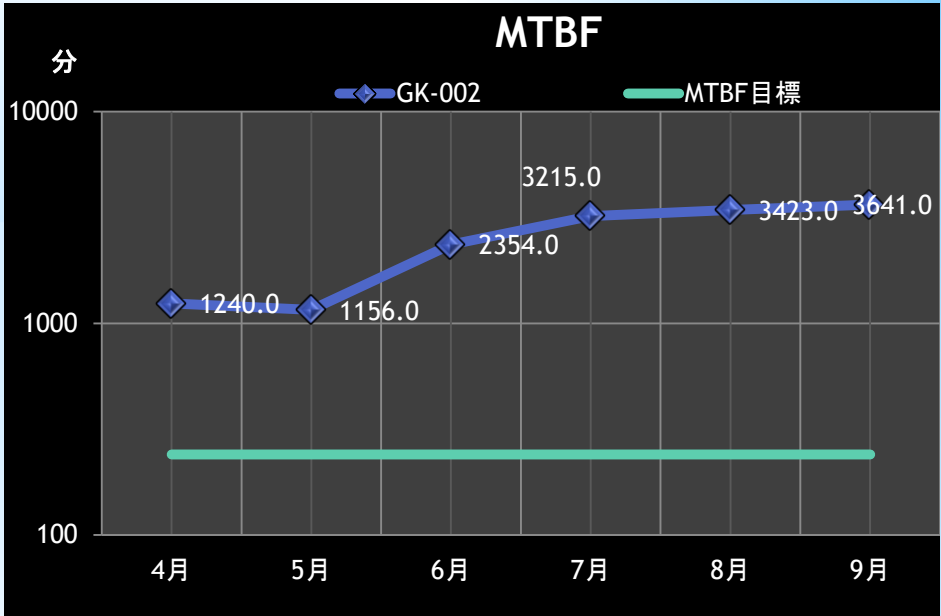
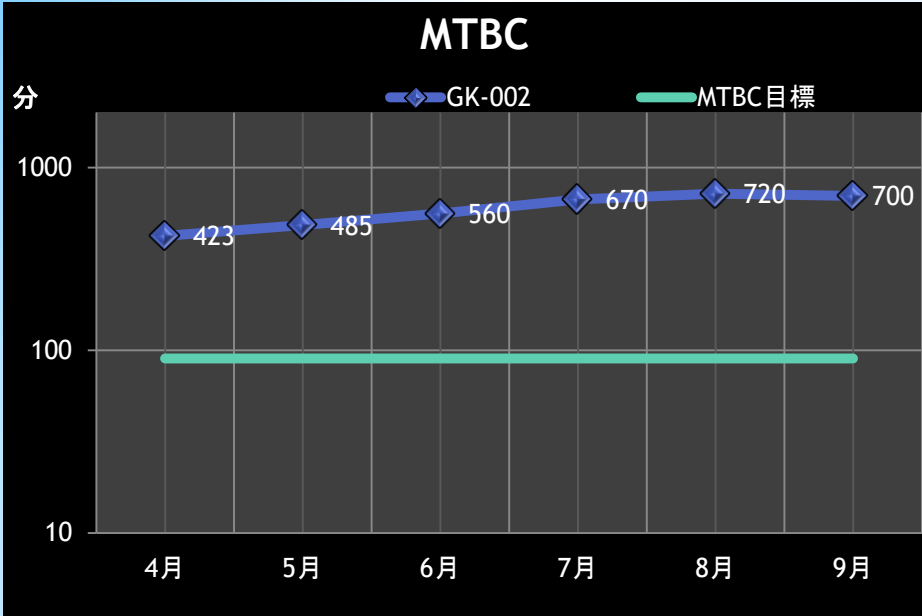
Export data

- Possible to export machines operation status data by period of time to excel.

Report by excel

Excel report

- Possible to check machines status any time in the past.
- Sum up total running hours, stop hours, products waiting hours per day.
- Auto calculated MTBC, MTBF help to improve machines management.



Daily control machine operation status

Daily control production running time

Thank You

There are many other solutions and products which are not included in this slide
Contact us or visit our website for more information



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