

# Overall Equipment Efficiency (OEE) - Industry 4.0

Downtime Recorder – DDL100

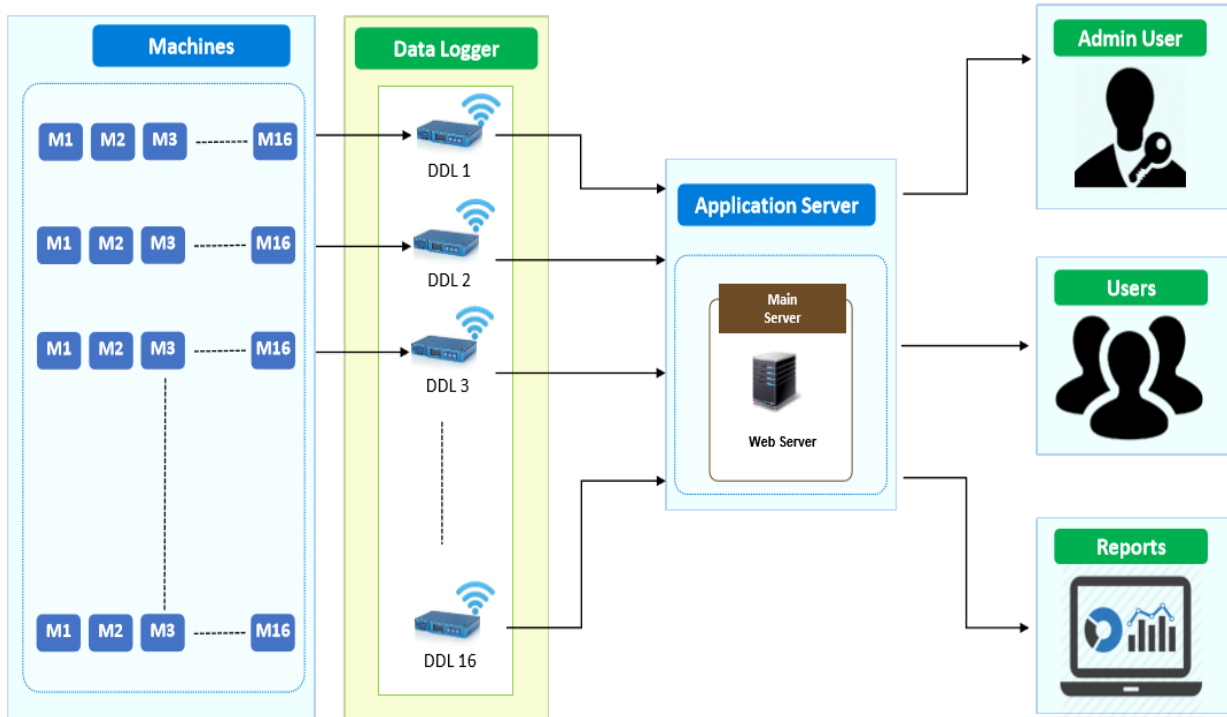


## Time

- The more you take, the higher it costs.
- Increase in production time is directly proportional to loss in revenues.
- Measuring and accounting of time holds the key to improve productivity and hence increase profits.



## Data Logger Application Architecture



## Benefits

- Real-Time Efficiency
- Downtime Issues Live
- Identify Poor Performing Equipment
- Historical Data
- Performance Snapshot
- Planned Downtime & Change Overs

## Just Got Easier

- Easy to Install
- Easy to Use
- Advanced Data
- Budget Friendly



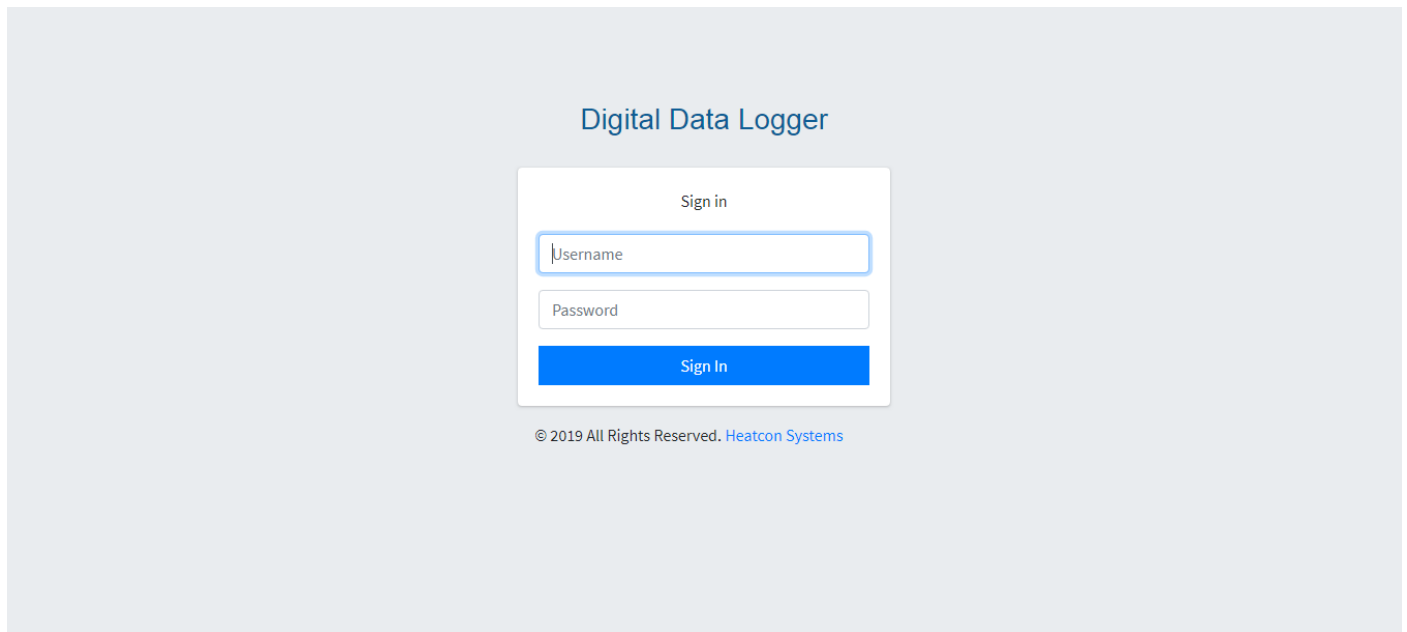
## Key Features

- Up to 32 digital input channels (32 Machines)
- Records ON | OFF Status
- Records KW
- Records Reasoning codes for breakdown
- Data Logged in Pen drive
- Records available in Real-Time format
- Rs232 / RS485 / Ethernet / Wi-Fi connections
- HMI for data entry (optional)

## Computer Software

- DDL 100 is a versatile and user friendly software for management to assess machine wise efficiency and operator performance.
- Powerful analytical software.
- Data available with date & time stamp.
- Reports in Excel / PDF.
- Machine wise & operator wise data.

## Login Screen



Digital Data Logger

Sign in

Username

Password

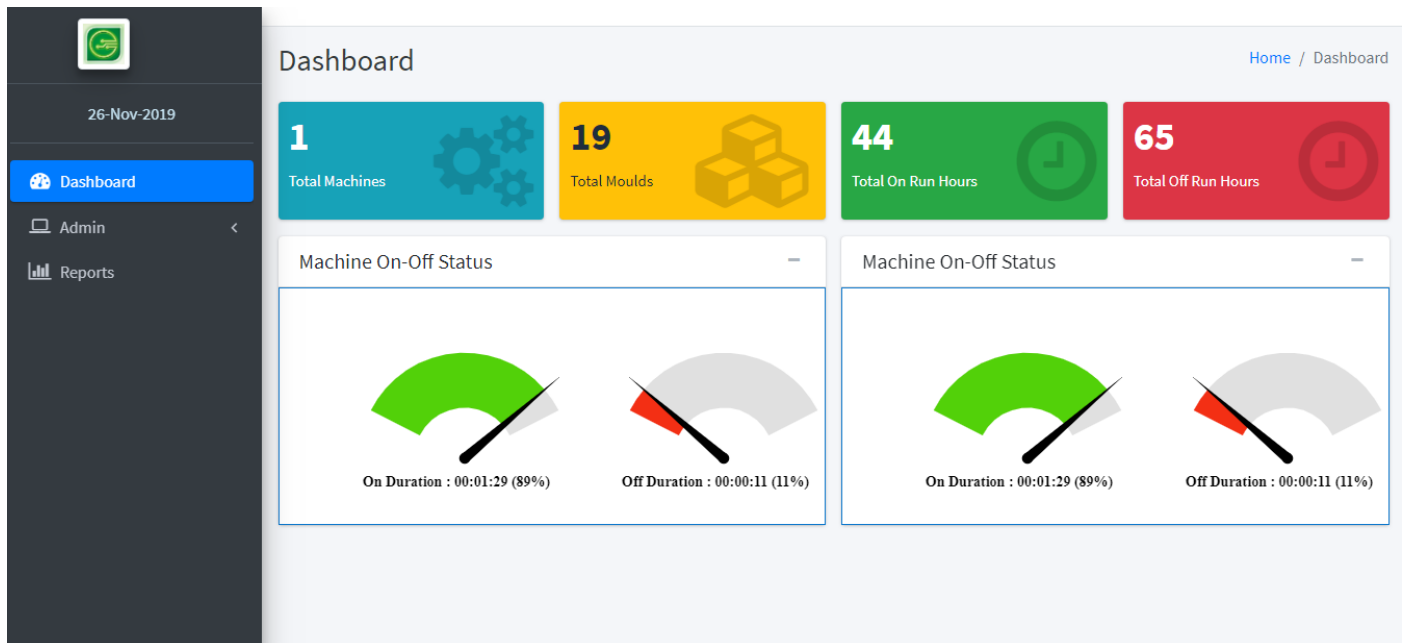
Sign In

© 2019 All Rights Reserved. Heatcon Systems

Login screen required user login credentials for login into application.



# Dashboard



# Admin Screen


The User Management screen allows for user administration. It includes a search bar, a table of users, and navigation controls. The table lists two users: 'admin' and 'user'. The 'admin' user has the email 'admin@admin.com' and the role 'Admin'. The 'user' user has the role 'User'. Both users have edit and delete icons. The interface also shows 'Showing 1 to 2 of 2 entries' and 'Previous 1 Next' navigation. The left sidebar lists navigation options: Dashboard, Admin (selected), Company Management, User Management (selected), Machine Mould Mapping, and Reports. The top right shows the breadcrumb 'Home / User Management'. The footer contains the copyright notice 'Copyright © 2019-2020 Heatcon Systems. All rights reserved.' and the version 'Version 1.0.0'.

Sr. No	Name	Email	Phone	Password	Role	Edit	Delete
1	admin	admin@admin.com		admin	Admin		
2	user			user	User		

- Add, Modify, Delete and View
- Roles assigned to different users
- Granting privilege to users.




# Report Dashboard




26-Nov-2019

- Dashboard
- Admin
- Reports


## Reports Dashboard Home / Reports List




Machine  
**Machine wise On Off Duration**




Machine  
**High Off Duration**



Energy Meter  
**Meter Wise All Readings**




Energy Meter  
**Day Wise KWH Progress**



Machine  
**Shift Mould wise Production**

Copyright © 2019-2020 Heatcon Systems. All rights reserved. Version 1.0.0

# Tabular Report Screen



26-Nov-2019

- Dashboard
- Admin
- Reports

Machine wise On Off Duration

**From Date**

**From Time**

**To Date**

**To Time**

**Machine**

Submit
Close
Export To Excel
Graphical Report

Show  entries Search:

Sr. No.	Machine	Mould	On Cycle Start Time	On Cycle End Time	Off Cycle Start Time	Off Cycle End Time
1	M07	>>>	Before Selected Period	>>>	15-05-2019 15:44:47	28-06-2019 12:45:41
2	M07	DCS93204/1A8	28-06-2019 12:45:41	28-06-2019 12:47:35	28-06-2019 12:47:35	28-06-2019 12:48:54
3	M07	DCS93204/1A8	28-06-2019 12:48:54	28-06-2019 12:53:17	28-06-2019 12:53:17	28-06-2019 12:54:43
4	M07	DCS93204/1A8	28-06-2019 12:54:43	28-06-2019 12:59:06	28-06-2019 12:59:06	28-06-2019 13:00:36
5	M07	DCS93204/1A8	28-06-2019 13:00:36	28-06-2019 13:05:00	28-06-2019 13:05:00	28-06-2019 13:05:12



**Heatcon Systems** | 26-Nov-2019 | Module Wise KWH Readings

From Date: 26-11-2018 | From Time: 10:42:24 | To Date: 26-11-2019 | To Time: 10:42:24

Buttons: Submit, Close, Export To Excel

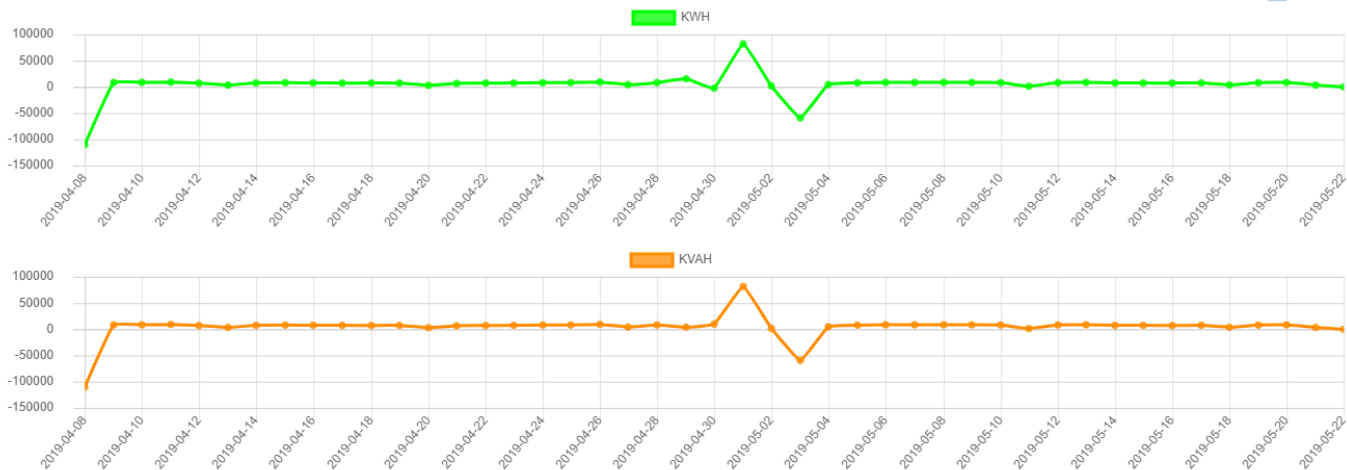
Show 10 entries | Search:

Date	Molule-1			Module-2			Module-3			Admin Module	
	PP-1	PP-2	LP-1	PP-1	PP-2	LP-1	PP-1	PP-2	LP-1	PP-1	LP-1
01-05-2019	2,169,360	3,298,180	1,033,810	1,153,350	1,189,930	931,881	627,764	1,708,880	736,068	1,365,120	87,055
02-05-2019	2,176,420	3,319,360	1,038,530	1,156,980	1,198,170	934,744	631,066	1,721,480	738,972	1,369,160	87,378
03-05-2019	2,176,880	3,319,680	1,038,660	1,157,040	1,198,320	934,841	631,128	1,721,580	739,060	1,369,290	87,386
04-05-2019	2,171,430	3,304,320	1,035,190	1,155,570	1,192,440	932,620	628,744	1,711,300	736,988	1,366,500	87,155

## Graphical Report Screen



From :2018-11-25 07:00:00  
 To : 2019-11-26 06:59:59  
 Selected Meter : Main Module : Power Panel-1



## Export to Excel

Heatcon Systems

26-Nov-2019

- Dashboard
- Admin
- Reports

Home

Admin

Daywise KWH & KVAH Progress

<b>From Date</b>	<b>From Time</b>	<b>To Date</b>	<b>To Time</b>
<input type="text" value="25-11-2018"/>	<input type="text" value="07:00:00"/>	<input type="text" value="26-11-2019"/>	<input type="text" value="06:59:59"/>

**Select Meter**

Submit
Close
Export To Excel
Graphical Report



## Contact Us



# Heatcon Systems

Sensing & Control Solutions



[www.heatconsystems.com](http://www.heatconsystems.com) | [info@heatconsystems.com](mailto:info@heatconsystems.com)

### Pune

S-3, Mangalmurti Industrial Estate,  
T/80 Block, MIDC Bhosari,  
Pune 411 026, Maharashtra  
India

### Ahmednagar

Plot No: P-46, Near Vishwas Roadlines,  
MIDC, Ahmednagar 414 111,  
Maharashtra, India

**+91 98220 15260**

