FPS SCADA

FORTUNE
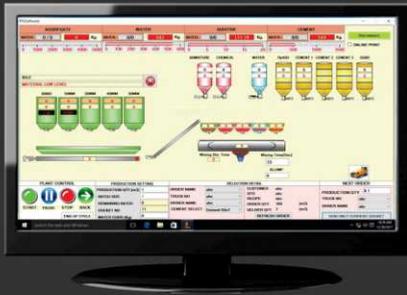### Fortune Panel Systems (India) Pvt. Ltd.

SERVICE - SATISFACTION - SUCCESS.

Manufacturer of PLC & SCADA based Control Panels For Construction Equipments

www.**fortunepanel**.in

SPECIFICATION OF FPS SCADA

Configuration	PLC & HMI Facilities	Mini FPS SCADA
Hardware configuration	B&R 4PP065.0571-B00 colour 5.7"HMI, based on PLC with AR embedded system With load cell module x20 1744 / SIEMENS SIMATIC S7-1200, CPU 1214C onboard with siwarex WP231	Oprating system work on VNC viewer windows 7 , 8 & 10 support
Advantages	One unit for PLC and HMI, one project for PLC and visualization, 12.5 width slice IOs, direct loadcell modules with 24 bit resolution, printer & data storage on USB	Increase efficiency, reduce planned down times, plant monitoring & control facilities
Multi PC And Multi User	NA	NA
Multi PC Operating	NA	NA
Scale	4	4
Dosing	4 Aggregate, 2 cement, 1 water, 1 additive	4 Aggregate,2 cement,1 water,1 additive
ERP & SAP Connectivity	NA	NA
Multi User Platform	single user	single
Auto SMS / Emailing Option	Docket summary report SMS Option(GSM modem)	No
DC Option	Delivery report (M3)	Delivery / All batch report (M3)
Alarm	Current status message/discontinue alarm message	Current status message/discontinue alarm message
Mass Storage	USB	PC
Remote Production Monitoring	NA	NA

Production Features

	PLC & HMI Facilities	Mini FPS SCADA
Batching Mode	Auto in flight error correction	Auto in flight error correction
Mixer Gate Auto / Manual Operation	Controls concrete discharge by operating mixer gate manually even when the production is in auto	Controls concrete discharge by operating mixer gate manually even when the production is in auto
Mix Discharge	Truck Based / 2 step mixer discharge	Truck Based / 2 step mixer discharge
Hold Loading if Truck Not Ready	After all the materials are batched, the system waits for Truck ready signal before loading in to the mixer.	After all the materials are batched, the system waits for Truck ready signal before loading in to the mixer.
Auto-Manual-Auto	In an auto mode, if a batcher has to shift to manual mode, he can revert to Auto	In an auto mode, if a batcher has to shift to manual mode, he can revert to Auto
Batch End Facility	Enables to reduce the load quantity without any material wastage	Enables to reduce the load quantity without any material wastage
Docket Queing	Provided	Provided
Swapping of material	If a material in one Cement silo is empty, the batcher can swap to another cement silo of same material	If a material in one Cement silo is empty, the batcher can swap to another cement silo of same material
Auto tare	Automatic zero setting of tare value on start of each batch and alarms for out of tare / tolerance or error generation during batching or cycle execution.	Automatic zero setting of tare value on start of each batch and alarms for out of tare / tolerance or error generation during batching or cycle execution.
Next Order	–	–
Simulation	–	–
SCADA screen	–	Fix image in SCADA

Quality Features

	PLC & HMI Facilities	Mini FPS SCADA
Batch Correction	Adjusts material variation of one batch from the next batch for maintaining optimum load quality	Adjusts material variation of one batch from the next batch for maintaining optimum load quality
Tolerance Definition	NO	NO
Moisture Correction	NO	NO
Moisture Correction	NO	NO
Admixture Discharge in to water / mixer	Individual ADT Discharge control. Each admixture loading into mixer is controlled	Individual ADT Discharge control. Each admixture loading into mixer is controlled
Additive discharge	Controls each additive discharge	Controls each additive discharge
Water correction	in auto cycle water correction (inc.-dec.) without any change in recipe	in auto cycle water correction (inc.-dec.) without any change in recipe
Pause /Hold & Resume	It will hold loading if truck not ready and wait for Tm input	It will hold loading if truck not ready and wait for Tm input

Reporting Features

	PLC & HMI Facilities	Mini FPS SCADA
Report Output	Day Consumption	Day Consumption
Report Data	Docket wise delivery slip	Docket wise delivery slip & All batch wise

Recipe Related Features

	PLC & HMI Facilities	Mini FPS SCADA
Mix Design	Creating and storage	Creating and storage
Client Creation	Creating and storage	Creating and storage
Site Creation	Creating and storage	Creating and storage
Vehicle Entry	Creating and storage	Creating and storage
Driver Entry	–	–
Data Storage	Storage of Plant data in external device	Storage of Plant data locally
Report Formats	Provides Reports in Notepad	Provides Reports in Notepad & XL
Online Printing	Online Printing of reports	Online Printing of reports
Recipes store	Design recipes up to 99	Design recipes up to 99

FPS SCADA	FPS+ SCADA
Operating SCADA Microsoft access and online system work on my SQL/OS 32-64 bit / version 9.1 windows xp / windows 7 , 8 & 10 support (CPU-500gb HDD/2gb ram)	Operating SCADA Microsoft access and online system work on my SQL/OS 32-64 bit / version 9.1 windows xp / windows 7 , 8 & 10 support (CPU-500gb HDD/2gb ram)
Increase efficiency, minimize fault response time, reduce planned down times, isolate and precisely locate faults, All data of production , analysis of data, centralized monitoring & control facilities	Increase efficiency, minimize fault response time, reduce planned down times, isolate and precisely locate faults, All data of production , analysis of data, centralized monitoring & control facilities
NA	Operator,Manager,QC(batcher)Three PC with Different User(optional)
NA	Multi operating stations SCADA (optional)
5	6
5 Aggregate, 4 cement, 1 water, 2 additive	6 Aggregate, 5 cement, 2 water, 2 additive
NA	YES
Two user module option	Three User module (option)
Mixing Report/Delivery chalan mail option(INTERNET)	Mixing Report/Delivery Chalan mail option(Internet)
Delivery/All batch report(M3)XL	Delivery/All batch report (M3)XL
Current status message / discontinue alarm message	Current status message/All Alarm history(date & time wise)
PC	PC
NA	Online Data Monitoring On Web Portal

FPS SCADA	FPS+ SCADA
Auto in flight error correction	Auto in flight error correction
Controls concrete discharge by operating mixer gate manually even when the production is in auto	Controls concrete discharge by operating mixer gate manually even when the production is in auto
Truck Based / Multi Step mixer discharge	Truck Based / Multi Step mixer discharge
After all the materials are batched, the system waits for Truck ready signal before loading in to the mixer.	After all the materials are batched, the system waits for Truck ready signal before loading in to the mixer.
In an auto mode, if a batcher has to shift to manual mode, he can revert to Auto	In an auto mode, if a batcher has to shift to manual mode, he can revert to Auto
Enables to reduce the load quantity without any material wastage	Enables to reduce the load quantity without any material wastage
Provided	Provided
If a material in one Cement silo is empty, the batcher can swap to another cement silo of same material	If a material in one Cement silo is empty, the batcher can swap to another cement silo of same material
Automatic zero setting of tare value on start of each batch and alarms for out of tare / tolerance or error generation during batching or cycle execution.	Automatic zero setting of tare value on start of each batch and alarms for out of tare / tolerance or error generation during batching or cycle execution.
Running order continuous start option	Running order continuous start option
—	Allows operator to ensure all input outputs, Mechanical Components are working fine
Basic image in SCADA	Multiple Advance image in SCADA option

FPS SCADA	FPS+ SCADA
Adjusts material variation of one batch from the next batch for maintaining optimum load quality	Adjusts material variation of one batch from the next batch for maintaining optimum load quality
NO	Permits batcher/quality person to define tolerence either ways
Defines both Surface and absorbtion moisture	Defines both Surface and absorbtion moisture (positive & negative)
Defines both Surface and absorbtion moisture	Defines both Surface and absorbtion moisture (positive & negative)
Individual ADT Discharge control. Each admixture loading into mixer is controlled	Individual ADT Discharge control. Each admixture loading into mixer is controlled
Controls each additive discharge	Controls each additive discharge
in auto cycle water correction (inc.-dec.) without any change in recipe	in auto cycle water correction (inc.-dec.) without any change in recipe
It will hold loading if truck not ready and wait for Tm input	It will hold loading if truck not ready and wait for Tm input

FPS SCADA	FPS+ SCADA
Cumulative, Detailed, Production report ,Consumption report	Cumulative, Detailed, Production report ,Consumption report
Client wise, DC wise, Site wise, Driver & Truck No Wise Report, Recipe wise Docket wise, Inward (stock) Report	Client wise, DC wise, Site wise, Driver & Truck No Wise Report, Recipe wise Docket wise, Inward (stock) Report

FPS SCADA	FPS+ SCADA
Creating and storage and Edit	Creating and storage, Edit, Delete
Creating and storage and Edit	Creating and storage, Edit, Delete
Creating and storage and Edit	Creating and storage, Edit, Delete
Creating and storage and Edit	Creating and storage, Edit, Delete
Creating and storage and Edit	Creating and storage, Edit, Delete
Storage of Plant data in database	Storage of Plant data in database
Provides Reports in PDF, Excel	Provides Reports In PDF, Excel, Word, csv
Online Printing of Delivery slip, Delivery Chalan, PDF report	Online Printing of Delivery slip, Delivery Chalan, PDF report

Design recipes are stored on the basis of 1 m3 Each recipe stored with no., code and name for easy search. There is unlimited storage capacity. Limit is the capacity of PC-HDD.

SCADA Solution

Asphalt And Concrete Batching Plant

Supervisory control and data acquisition (SCADA) is a control system architecture that uses computers, networked data communications and graphical user interfaces for high-level process supervisory management, but uses other peripheral devices such as programmable logic controllers and discrete PID controllers to interface to the process plant or machinery. The operator interfaces which enable monitoring and the issuing of process commands, such as controller set point changes, are handled through the SCADA computer system. However, the real-time control logic or controller calculations are performed by networked modules which connect to the field sensors and actuators.

The SCADA concept was developed as a universal means of remote access to a variety of local control modules, which could be from different manufacturers allowing access through standard automation protocols. In practice, large SCADA systems have grown to become very similar to distributed control systems in function, but using multiple means of interfacing with the plant. They can control large-scale processes that can include multiple sites, and work over large distances as well as small distance.

Easy To Use Software

Auto/Manual Mode

Simple Weighing Calibration for

Aggregate,Cement,Water,Additive.

Online monitoring and

Remote Operation / Remote Access

Production, Batch, Daily Reports

Customized Operator Panels

Low Maintenance And Cost Efficient

Reduced Power Consumption

Solution For Concrete Batching plant

Solution For Asphalt Batching plant

Designed For Heavy Duty Operations