

HofinWASS ver 1.2.0

Hofinsoft Weighing And Security Solution (HofinWASS) is an easy to use application that helps to track and streamline vehicles entering the plant and monitors weighing of goods to maximize production as well as productivity.

Key Benefits:

- improve supply chain integrity
- provide greater inventory/merchandise visibility
- Increased productivity and reduced costs
- Automated, hands-free data collection, which extends personnel productivity
- Improved asset utilization and management via real-time equipment-availability and shipment-arrival information
- Increased customer satisfaction
- Reduced dwell time due to faster vehicle entry/exit and authorization
- Perpetual inventory control providing up-to-date freight status
- Increased security via continuous, automatic monitoring and tracking
- Simplified integration with existing software platforms for multiple applications

With increasing levels of digitization in the enterprise, the domain of engineering is now tightly linked to the domain of business information management. Common enterprise management applications & technology platforms have driven information integration across the value stream to include the engineering of products, production facilities and efficient management of capital assets & production. Hofinsoft has rich experience in this domain. The engineering and industrial services business is an integral element of Hofinsoft' strategy to provide increased value to its customers as a truly global, broad-based technology services company.






Efficiencies in innovation, operations and capital management are critical competitive levers. Hofinsoft provides solutions that help clients achieve above.

Business Considerations:

With the advent of large scale manufacturing activities, availability of raw materials, packing materials, finished goods with correct information's along with the timely reporting are crucial for operation efficiency. The plants main objective is to improve productivity and allow a higher velocity of goods in and out of the facility.



The movement of raw materials, packing materials & finished goods in and out of the plant is mainly done using various types of vehicles. Organizations find it difficult to determine the exact cycle for a vehicle carrying goods from the factory and carrying supply material in the return load to the plant. This is currently a manual process in many organisations.

❖ Pain Points:

-  Pile up of traffic and back-ups at the gate
-  Several hours spent in labour
-  Mapping of vehicle with Permit slip
-  Improper recording of weighment
-  possibility of double weighing

Purpose of RFID Tags:

To reduce the pain areas, automated methods are introduced, including usage of RFID (Radio Frequency Identification). RFID basically consist of two parts





-  Tags
-  Readers which helps in identifying the vehicles.

Tags are fixed to the vehicle which give identity to the vehicle and work like a wireless name plate. When the vehicle reaches the plant the readers which are placed at various entry/exit points of the plant, read the information from the RFID tags fitted in the vehicles synchronizes to the centralized server which can be subsequently viewed by various users. The usage of the readers can also be extended to operate other devices like access control boom as per the business logic. RFID technology functions on the distance of read range for the readers



which is around 4 to 35 m and is based on the usage of Passive and Active tags in place.

Tags Administration Panel					
[Administrator] [FMHPHS&D] [Override Alarms] [Reports] [Account Settings] [Logout]					
Welcome User SINGH TRANSPORT CARRIERS					
[Tags Admin Panel] [Create New Tag]					
Tag ID	For Vehicle Types	Tag Text	Assigned to Contractor (RTO Number)	Edit	Assion
TAG1PEFH	PERM_PHOPHORIC	TAG 11 for PER		Edit	Assion
TAG1PRH	PERM_PHOPHORIC	TAG 11 for PER		Edit	Assion
***@#%	TEMP_SCRAP	thh		Edit	Assion
a	PRIORITY_TWO	a		Edit	Assion
#101	PERM_PHOPHORIC	PP-1	ROHT ROADWAYS(GA-02-V-8639)	Edit	Assion
#102	PERM_PHOPHORIC	PP-2	SRI SHAMBELING ROADLINES(GA-02-V-5915)	Edit	Assion
#103	PERM_PHOPHORIC	PP-3	BALAJI TRANSPORT & CO.(GA-02-V-5705)	Edit	Assion
#104	PERM_PHOPHORIC	PP-4	HMMALANI(GA-02-V-5910)	Edit	Assion
#105	PERM_PHOPHORIC	PP-5	BALAJI TRANSPORT & CO.(GA-02-V-8628)	Edit	Assion
#106	PERM_PHOPHORIC	PP-6	SRI SHAMBELING ROADLINES(GA-02-T-7210)	Edit	Assion
#107	PERM_PHOPHORIC	PP-7	S.B.WONAPURE(MH-05-456)	Edit	Assion
#108	PERM_PHOPHORIC	PP-8	BALAJI TRANSPORT & CO.(GA-02-V-6188)	Edit	Assion
#109	PERM_PHOPHORIC	PP-9	S.B.WONAPURE(GA-02-V-6048)	Edit	Assion
#10a	PERM_PHOPHORIC	PP-10	ROHT ROADWAYS(GA-02-T-7457)	Edit	Assion
#10b	PERM_PHOPHORIC	PP-11	ROHT ROADWAYS(GO2-8448)	Edit	Assion
#10c	TEMP_SCRAP	PP-12	AJRA TRANSPORT (PVT)LTD.(GA-02-T-8289)	Edit	Assion
#10d	PERM_PHOPHORIC	PP-13	ROHT ROADWAYS(GA-02-L-6464)	Edit	Assion
#10e	PERM_PHOPHORIC	PP-14	ROHT ROADWAYS(GO2-7595)	Edit	Assion
#10f	PERM_PHOPHORIC	PP-15	ROHT ROADWAYS(GA-02-T-5911)	Edit	Assion
#110	PERM_POTASH_PUL_LUREA	PP-16		Edit	Assion

HofinWASS is based on this state of the art “Radio Frequency Identification (RFID)” technology & Programmable Controllers (PLC) which are suitable for rugged industrial environment. Along with this hardware, the system uses robust server software running on dual redundant servers & User-friendly Client Software running on workstations located in the Security Cabins. The system also uses Web technology for offering plant-wide secure access to the system for plant Executives. These Executives depending on their roles can

-  view/print various reports,
-  view/override alarms,
-  do system maintenance &
-  system administration

HofinWASS is to be installed to

-  track chronologically the movement of vehicles entering / leaving the plant
-  record weights

