GRAITEC
ADVANCE WORKSHOP

Advance Workshop Precast Introduction

Solutions for ON-DEMAND MANUFACTURING business A MES++ or ERP– Pay-roll – general ledger Solution
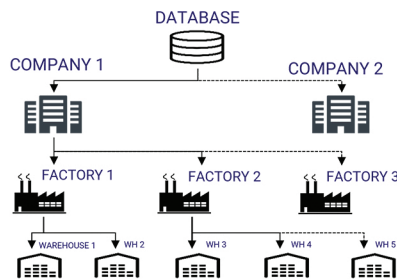
+1000 factories AW   **+50 countries**   **Presales Experts**

Multi-Architecture

DATABASE

COMPANY 1   COMPANY 2

FACTORY 1   FACTORY 2   FACTORY 3

WAREHOUSE 1   WH 2   WH 3   WH 4   WH 5

Functional Coverage

Supply Chain Management	Techincal Office Management	Production and realtime Monitoring	Stock & Logistics
Sales	Estimations	Raw material traceability	2 Stock levels
Purchase	BIM integration	Nesting	MRP1/2
Jobsites	Drawings	Machine Downloading	Routes optimization
Credit control	CAD scanning	Manufacturing strategy	Stock locations
Business margins	BOM orders	Order status	Truck loading control
Invoicing		Run optimization	

Technology

AUTODESK   .NET   Windows Server Hyper-V   Microsoft SQL Server   DELL

Integration

sage   ORACLE JD EDWARDS   Microsoft Dynamics   a3con   SAP

ERP Fonctionalities

Supply Chain Management

Sales management:
> Customers.
> Sales teams, budgets and pricing.
> Quotations and estimates
> Delivery notes creation and Invoicing.

Purchases management:
> Budgets and orders.
> Entry notes creation.
> Received invoices checker.

Business costing management.

ERPstandard connectors to integrate your business.

Techincal Office Management

Stock management, theoretical mix consumption and customer raw material reservations.

Heat traceability assignment.

Reports and tags printing.

Control variables creation.

Control models creation.

Quality tests will appear on MACHINE TOUCHBOX screen.

ERP Parametrization

Multi-company, multi-branches, multi-war-ehouse architecture.

User's rights group (admin., sales, purchases, technical, production, etc.).

Password on key processes.

Global parameters:
> Kernel management 30 parameters.
> Supply chain manage-ment 60 parameters.
> Logistics management 20 parameters.
> Stock & Quality mana-gement 30 parameters.

Logistics

Truck route optimization with Google Maps®.

Truck occupancy planning.

Transport rates and costs.

Automatic calculation of production and delivery date.

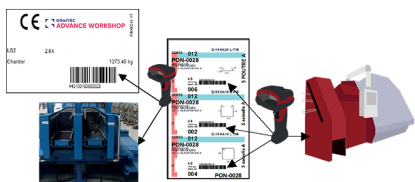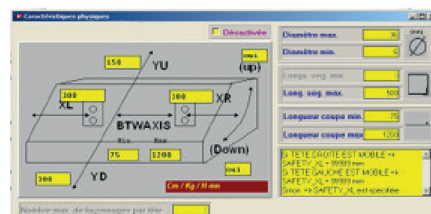Truck loading control of all the products and trading.

Precast Fonctionalities

TECHNICAL OFFICE MANAGEMENT

Jobsites management

Variables precast concrete elements and BOM definition

Element operations definition

Quotation and cost management

Automatic concrete elements and rebar rebar integration from IFC BIM models

Elements designing

PRODUCTION MANAGEMENT

Online follo-up of concrete and rebar elements

Automatic machine downloading by tag or list

Bar optimization module to minimize rebar scrap

MRP stock module to calculate concrete elements consumption

Automatic machinery and mold stations assignement regarding technical and economical criterias

Production runs management offering the possibility to group several concrete elements to optimize the production flow and productivity

Online monitoring:
Production sequences and runs
Workstations, machines and operators

Machines and workstations maintenance management

Automatic rax material traceability at element/sequence level

Industrial Hardware supply as TOUCHBOX KIT to track automatic machines and TABLET for molds workstations