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**Welcome**

Dear Customer ,

Happy New Year ,,

We welcome you to our first issue from our Quarterly newsletter! You'll find that it is filled with technical information, helpful hints and tips , We want this newsletter to be valuable for you , so please share your feedback and suggestions to help us improve.

**Field Process Instrumentation by SIEMENS**

**How to increase process efficiency and product quality**



In field instrumentation, maximum precision and absolutely reliable measuring results are key. Only then can you increase the efficiency of your process plants and improve their product quality. Whether you're dealing with pressure, temperature, flow, or level (point and continuous), we offer you a globally unique range of transmitters for field instrumentation. Our comprehensive portfolio also includes weighing and batching systems, pneumatic valve positioners, process controllers, and process

**Benefits and Features**

- More than 90 different process connection variants offer the highest degree of flexibility.
- Versatile communication connection via HART protocol, PROFIBUS PA, or FOUNDATION Fieldbus.
- Fulfills EHEDG, FDA, and 3A requirements.
- Configurable with SIMATIC PDM (PA) or AMS (FF). Extensive diagnostics and simulation functions. HART 7 + SIL 2/3 (IEC 61508)
- IP66/67/68 degree of protection. Used where there is excessive heat or vibration at the measuring point.
- Featuring Bluetooth® wireless technology for easy and quick setup with Siemens SITRANS mobile IQ App

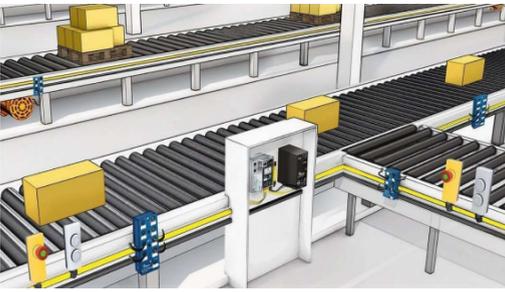


**We Optimize Your Material Handling**

**Our Specialties**

**Design**

Whether it is contained system or Pallet system, our role is to find you the optimal flawless design and solution design and solution less design and solution.



**Automate**

Fully automated material flow and tracking for all possibly needed functions such as Sortation, Storage/Retrieval, picking, routing, buffering, assembly line ...

**Higher level Software**

Higher level of management system for operational excellence and integrating with ERP.

**Your benefits :**

- Reduce space requirements, operating costs, processing time, transactions, and potential for errors
- Tracking and transparency of all items. Storage and retrieval with FIFO/LIFO or other concept Order optimizations.
- Optimize material & information flow, processes, operations management, and activities
- Increase productivity, throughput, inventory & order accuracy, ergonomics, safety, visibility, insight, profits

**Latest Project In Automation**

**The Blow Molding Controls Upgrade** replaces essential parts of the machinery as an interesting alternative to replacement, which resolves many of the problems encountered when using old systems, including lengthy breakdowns due to a lack of spare parts. To overcome such challenges, the Blow Molding Controls Upgrade introduces a new controls system using state-of the art software,

trending and remote support. By replacing the HMI terminal, processing computer, mold control boxes and IO modules, an old machine is brought up to a modern standard. The new controls system significantly reduces the risk of breakdowns.

Find out more here: <https://youtu.be/XtCu1GF3UBA>



**Latest Awarded Project**



Fully Automated Outbound Pallet system of 22 Tons/hr. in a Pasta Plant, including 2 levels of Pallet conveying system and a 1.5 Tons pallet elevator, with inbound facility for empty pallet stacks. The system will comprise the latest Distributed Control Architecture system for Power and Control with Integrated Safety and fully tracking capabilities.

**Smart Panels**

**Your benefits**

The world is indeed getting smarter, and by installing Smart Panels by Schneider Electric, your buildings and facilities can be a part of the conversation. Smart Panels from Schneider Electric are a key element of the EcoStruxure™ Power architecture. By measuring usage, quality, and status of electrical power distribution, and then aggregating and communicating them over Ethernet, they make the necessary data available on site or remotely. In doing so, they give a voice to your switchboards, providing you with key insights to manage your facilities proactively

**Here is one of our references in Smart Panels**

**Faculty Of Pharmacy-Arab Academy**

**Main Distribution Panel**

- INC Rating 2500A , Type (MTZ-25-H2-HORI-HORIZ-3P MICR-2.E-Fixed).
- NO Of outgoing 25 MCCB .
- In this project used EBX510 (Energy Data Logger, Enerlin'X Com'X 510).
- Also used two type of switch (TCSESU083FN0, TCSESU053FN0).
- And used two type of smart link (A9XMSB11, A9XMZA08).

