



Exclusive interview with Poo Trading Import & Export MD Choong Poh Poo

See How YGL Leading Food Manufacturing ERP Systems Help Poo Trading Company By

- Streamlining Business Operations
- Accelerating Product Development
- Controlling Inventory Levels
- Scaling Up Production
- Ensuring Quality Standards
- Complying With Industry Regulations
- Improving Real Time, Accurate Reporting
- Growing Your Business

Food Processing Software That Will Change the Way You Work



MQTT INTEGRATION TO YGL ERP4.0 SOFTWARE

DIGITALISE YOUR BUSINESS

What Is MQTT?

MQTT (or MQTT3) is a lightweight messaging protocol designed for lightweight communication between devices and computer systems. Originally designed for SCADA networks, manufacturing, and low-bandwidth scenarios, MQTT has gained popularity recently due to the growth in the Internet-of-Things (IoT) space.

MQTT solutions are typically deployed very similarly to other enterprise messaging solutions, such as JMS or AMQP, in a client-server-client model where devices publish messages to a centralized broker and another device or application connects to a centralized broker to receive messages.

MQTT is often mentioned as a peer-to-peer communication solution. This is a misnomer. In practice, “peer-to-peer” means that a broker is being embedded with each client node and effectively becomes a (client-server)-(server-client) architecture. The downside of this approach is significant. Peer-to-peer solutions mean that the full brunt of maintenance (security, patching, logging, and monitoring) of a messaging system is required for each node, instead of just the centralized nodes in a standard architecture.

Source from Dzone.

Why have telemetry data in ERP?

The ERP systems evolution clearly indicate the importance of having the data related to all facets of the business — not only financial, accounting, supply chain and the like, but also human resources metrics, IT infrastructure status, telemetry data from your fleet or corporate vehicles, sensors data from the IoT devices (be it vending machines, temperature sensors on the shop floor, smart meters or anything else).

Here are some of the **reasons to have your telemetry data fed into the ERP** or another enterprise-wide platform:

Better visibility of transportation-related processes and their share in the cost structure. Senior managers whose job implies monitoring and aligning operations of different departments will greatly benefit from having transportation data together with other logistics and transactional data to see dependencies and potential areas for improvement.

Analysis and forecasts — joint analysis across departments and functional areas helps find non-obvious interrelations and try to foresee and prevent the unwanted situation in the future.

Cost optimisation — transportation is always a major expense factor that includes fuel, maintenance, insurance, legal issues, etc. And usually, there's high chance to shave off some overhead and make the process leaner.

MQTT — the key benefit here is that your data is sent to the destination (e.g ERP) as soon as it gets from the source. This is especially appealing for applications that demand near real-time data for efficient

We Make It Work

**How can ERP help
with digital
transformation?**

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Looking for an industrial 4.0 ERP software that is tailored for your industry?

Looking for an industrial 4.0 ERP software that is tailored for your industry?

Count on YGL ERP4.0 suite

WE MAKE IT WORK

An integrated [ERP or Enterprise Resource Planning \(ERP\) system](#) is a software utilised to optimise business process management. YGL ERP4.0 is a system of interconnected business applications manages your enterprise and automates many back-end business functions such as financial accounting, manufacturing, supply chain, Kanban shop floor control, ERP integration to industrial machines and more through function-specific ERP modules.

These strategic tools reduce costs, optimise business processes, and promote healthier risk management. At the very core of every ERP software is the aim to bring every aspect of your business together under one roof to produce a well-oiled machine of a business.

The advantages of an integrated ERP are numerous and it might be exactly what your business needs right now to accelerate revenue growth. Increase communication among departments, improve workflow and help your employees make informed decisions that are backed by reports with an integrated **ERP system**.

Count on YGL ERP4.0 suite

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