



TIME FOR INNOVATION

# MALAYSIAN HALAL INDUSTRY

FORWARD THINKING WITH TECHNOLOGY

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**Make small changes to see long-term benefits  
with the deployment of technology**

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## HALAL FOOD MANUFACTURER TO TAKE THE LEAD

In the last two decades, the concept of halal has been applied to many industries, from agriculture to food manufacturing, cosmetics, pharmaceuticals, and logistics. Malaysia is the beneficiary of a forward-thinking policy to address food security gaps 20 years ago while empowering local producers with halal standards. Halal is a universally applicable concept, which calls for, among many elements, cleanliness. The global halal market has been reported to be worth billions, but when answering the critical question of how much food can be produced onshore to meet local demand. Of course, during this period of the pandemic, everything is laid out in the open and exposed for us to examine.

## WE HAVE THE CAPACITY TO PRODUCE MORE

SME halal food producers are in all parts of the supply chain, plugging into larger food producers, producing ingredients and are involved in the last-mile distribution and delivery. This means Malaysia has the capacity to produce, store and distribute food products for local consumption without having to rely on expensive imports. In times like these where supply chains are disrupted, the countries food manufacturers are exposed to external trade risks. In such times, it pays to be self-sufficient as we are able to control not only the volume of items produced but the cost of doing so.

# HALAL FOOD INDUSTRY IS EXPANDING



## SME MANUFACTURING MUST ADAPT TO STAY RESISTANT

Mitigating price hikes help to cushion the impact of the fall out that is affecting every ordinary citizen who relies on food products to get through this crisis. Higher prices during this non-income generating period would lead to a national catastrophe. As SMEs in this sector makes up 98.5% of all food companies, there is a need for these companies to have access to digitalization and automation technologies. The ability to innovate and adapt to Industry 4.0 technologies would impact SMEs in the agri-food production sector. SMEs will be able to develop a business that is crisis resistant and future proof.

## MAKE BOLD DECISION TO BE MORE COMPETITIVE

Some core technologies that require immediate adoption include ERP, Supply Chain Management, Automated Data Collection & Big Data Analytics. All these are core to Industry 4.0 adoption; however, in the current state, we can term it as forced industrialization adoption. SME halal food producers need to make some bold decisions in order not only to survive but to thrive post-pandemic. Bold decisions and technological adoption could lead to outcomes such as increased usage of automation that will lead to higher productivity and better product quality, a better-coordinated supply chain with better diversity that would lead to lowering the cost of production.



SME halal producers will not only have long term benefits but will have short term impact as their business will ascend in a positive manner as compared to competitors locally and regionally due to aggressive adoption and deployment of technology.

## SL Information Solutions Offerings for the Malaysian Halal Food Industry

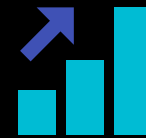
### ENTERPRISE RESOURCE PLANNING

Our PRONTO ERP is a fully integrated ERP solution for the food and beverage industry in Malaysia. The solution has been deployed to a host of food manufacturers in Malaysia including Perusahaan Saudee Sdn. Bhd., Mafipro Sdn. Bhd, Maestro Swiss Sdn. Bhd. just to name a few. The solution first and foremost addresses some of the key concerns for food and beverage manufacturers such as:

- a. Food safety compliance
- b. Halal food certification compliance
- c. Forward and backward traceability
- d. Batch manufacturing
- e. Recipe management
- f. Complete distribution management with a full-fledged promotions engine
- g. Warehouse management including cold room facility management
- h. Forecasting for sales operations
- i. Mobile solution for barcode and QR code scanning

### BIG DATA ANALYTICS

Our Big Data Analytics solution is powered by IBM Cognos. IBM Cognos is the global leader in Analytics applications & is primed to provide visualization of data to business users effectively. Data visualization is the graphic representation of data. It involves producing images that communicate relationships among the represented data to viewers of the images. This communication is achieved through the use of a systematic mapping between graphic marks & data values in the creation of the visualization. We need data visualization because a visual summary of information makes it easier to identify patterns & trends than looking through thousands of rows on a spreadsheet. It's the way the human brain works. Since the purpose of data analysis is to gain insights, data is much more valuable when it is visualized. Charts and graphs make communicating data findings easier even if you can identify the patterns without them.



PRODUCTIVITY



COST-SAVING



IMPROVES



SUPPLY CHAIN



INNOVATION

## MOUNTAINTOP DATA COLLECTION

Data collection isn't anything new, but the introduction of mobile devices has revitalized this tedious process by making it more fun and efficient. Before the dawn of mobile technology, the information needed to be recorded on-site with a pen and clipboard. Now, information can be recorded directly onto a mobile device at the information source, completely eliminating the need for post-information-gathering data entry. Mobile data collection is a common deployment for many companies. We can see it in action daily via community applications such as Grab Food etc. The purpose is to speed up data collection and increase the accuracy of data collected.

## MOBILE INVENTORY MANAGEMENT

MountainTop StockIT mobile inventory solution gives users the ability to check stock levels, search for available parts based on location, & transfer, receive or issue parts from 1location to the next all from their mobile device. The solution streamlines inventory processes and can access inventory data from your tablet or other mobile device. The solution has scanning enabled using smartphone camera to scan 1D, 2D and QR codes. Mobile scanning with smart devices lowers total cost of ownership and increases data capture accuracy and quality.

## MOBILE SALES FORCE AUTOMATION

Sales have traditionally been on the road and included lots of face to face time. This requires an awful lot of paperwork and data entry once a salesperson returns to the home office. It also means a lot of questions asked on the road that can only be answered with: "Let me get back to you on that." This is where your interest in implementing Mobile Sales Solution converges with your sales team's interests. With a sales team that is equipped to do their full job from the field, you can: Mobilize your resources efficiently without being so tightly geographically bound. Monitor your team as they do fieldwork. Ensure that important information doesn't get lost between their meetings with customers & their return to the office.

## MANUFACTURING DATA CAPTURE

MountainTop MakeIT is a manufacturing data capture solution that embeds data capture in your manufacturing operations to reduce administration costs, increase data capture accuracy and enhance overall production efficiencies. MountainTop MakeIT helps to track all WIP on the shop floor with the aid of smart device scanning. Products manufactured are reported and tracked in real-time; same with defects and rework. All data are transmitted to the back-end system in real-time where management can always access up-to-date information to effectively manage all shop floor operations.

# DIGITAL DOCUMENTS & DOCUMENTS ARCHIVING

Digitizing your documents is done using TrueForm Neo; the digital document solution from PRONTO Software. This is an important solution as it's the beginning of your company's CSR journey. Going paperless has many benefits. One of the core benefits is to reduce carbon footprint & promote good environmental policies. Manufacturing paper products produce greenhouse gases, causing deforestation and global warming. Recycling can offset some of the environmental impact, but not by much. Most paper eventually ends up in a landfill. Further, ink & toners contain volatile compounds and non-renewable substances which are damaging to the environment. It is much more sustainable to simply reduce paper use altogether by switching to a paperless.

A paper-free working environment is a work environment that uses minimal physical paper and instead uses primarily digital documents. The process of converting paper files into electronic files is known as digitization. Despite the prevalence of electronic documents and emails, most organizations still rely on paper documents. There are many benefits to going paperless, from saving resources to boosting security. Yet from handouts at meetings and HR onboarding documents to receipts, many business processes still revolve around the paper. Digitizing documents means reducing the amount of paper usage that is normally reserved for the printing of order confirmations, quotations, packing list, delivery orders, invoices & statements of accounts. Digital documents can be delivered to customers and suppliers via email or posted onto a portal for online access. This initiative helps to reduce your carbon footprint and be environmentally friendly.

