

# **Extensive F & B Solution package**

Maximize utilization, digitalize records, and simplify compliance

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### **Management Dashboard**





**Compliance Monitoring** 



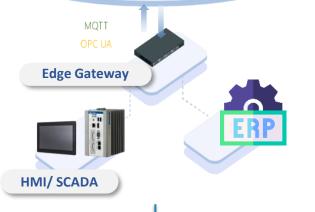






Product traceability

**Production Sustainability** 













## **WISE-iFactory Extensive F & B Solution package**





### **Traceability**

**Production** transparency



#### **Examination**

**Supply Chain Authorization** 



23%

**Equipment** efficiency



18%

Energy **Efficiency** 

- Comprehensively establish product history and process indicators to achieve process transparency.
- Monitoring parameters in vital processes, preventing food quality loss through the alarm of abnormal value.
- To real-time monitoring of operator compliance and safety indicators to improve production safety.
- The real-time production dashboard delivers production capacity and order delivery status for flexibly mobilizing work orders. **ADVANTECH**

## Advanced F & B Manufacturing – Making data-driven decisions









Q & E efficiency Monitoring

**Compliance Monitoring** 

**Product traceability** 

**Production Sustainability** 



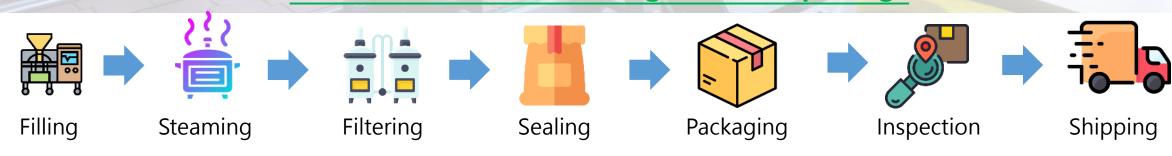








**Extensive Food and Beverage Solution package** 





## **Quality and Equipment Efficiency**



Overview of equipment availability



**Quality Analysis** 

To display two pieces of vital information, quality and performance, on the shop floor for optimizing the manufacturing process.







Ca Cp Cpk Chart



**Distribution Frequency** 



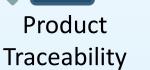
### **Extensive F & B Solution Package Introduction**











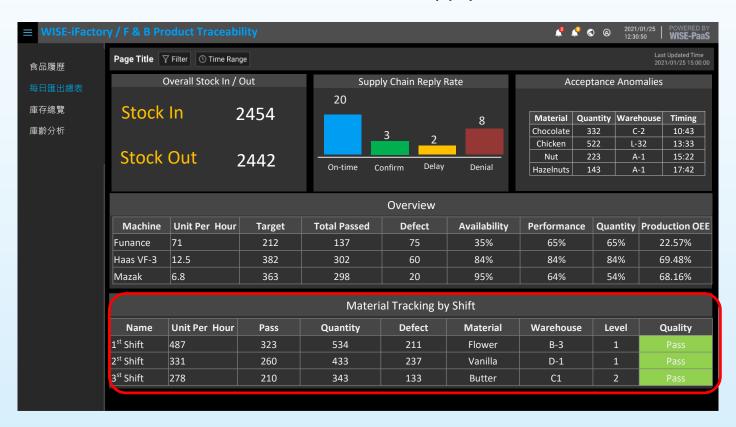


- ✓ Quality control
- ✓ Equipment efficiency
- ✓ Order fulfillment rate
- ✓ Compliance control
- √ Forbidden area
- ✓ Sanitary inspection
- ✓ Material control
- ✓ Process tracking
- ✓ Report management
- ✓ Energy monitoring
- ✓ Carbon Monitoring
- ✓ Safety control



# **Product Traceability Monitoring**

Integrating the existing ERP and MES system in the plant and mapping with the material data, empowered the system to generate the product traceability report automatically. The daily report on the performance of the safety supervision board also assists the production manager to locate the problem as soon as the ingestion crisis occurs and solve other threats that are hidden in the supply chain.





### **Energy and Carbon Usage Monitoring**

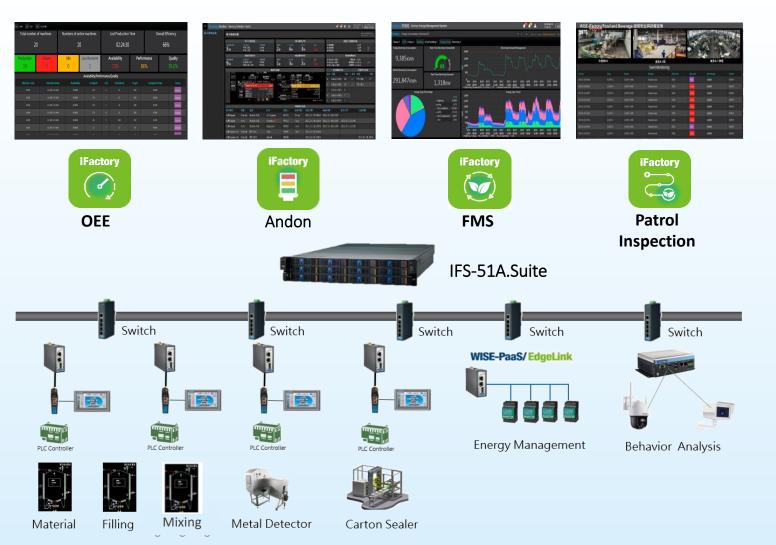
The sustainability dashboard assists facility managers to monitor the usage of oil, gas, water, and electricity. And improve the energy and carbon usage efficiency with multiple KPI reports.

- ✓ The energy-saving performance overview is mainly based on the actual monthly power saving and the planned power saving rate.
- ✓ Analyze the planned energy consumption of the factory, and rank each sub-item exceeding the standard to clarify the Top 3 priorities for each energy consumption in a specific area.

		Jan	Feb	Mar	Apr	May	7 Dlann		ed saving			v	Dec	Summ	ary
Total	Past Cons (mption(kWh)	270,120	212,160	295,200	286,320	340,071			al saving			571	297,731	3,853,	876
	Current Crinsumption(kWh)	278,829	225,961	302,914	298,779	317,386	ACI	LUdi	Savili	5				1,795,	585
	Planned Saving Rate	-5.0%	-5.0%	-5.0%	-5.0%	-5.0%	-5.0%	-5.0%	-5.0%	-5.0%	-5.0%	-5.0%	-5.0%	-5.0	%
	Actual Saving Rate	3.2%	6.5%	2.6%	4.4%	-6.7%	-0.1%	-	-	-	-	-	-	1.19	6
HVAC	Past Consumption(kWh)	70,231	55,162	76,752	7	Tar	get	В	3 99,725	23,925	19,617	18,133	16,439	740,2	39
	Current Consumption(kWh)	16,558	13,605	19,162	19,180	16,897	17,829	20,040	-	-	-		-	103,2	30
	Planned Saving Rate	-5.0%	Actual K		<b>NH</b> 0%	-5.0%	-5.0%	-5.(	Alert times		-5.0%	-5.0%	-5.0%	-5.0%	%
	Actual Saving Rate	-76.4%								照明		o		動力	
HVAC Chiller	Past Consumption(kWh)	27.012	區域 🔺	A	電(kWh)	目標	警報次數	à l	用電(kWh)	目標	警報交戴	用電	(kWh)	目標	警報次數
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			M禮2F	1,	,458	803	0		1,448	913	0	0		101	0
			M模3F	3	40	119	0	Į.	991	344	0	0		1	0
			M標4F	1	,681	785	0		2,263	1,169	0	0		-	



## **Case Study - Butter Production Line**



### ✓ Product History and Traceability

Combine equipment parameters and ERP data to generate product batch records and link product production process and parameter records. Create a complete product production resume.

### **✓** Operator Compliance Management

Set up a camera at the handwashing station to ensure operators follow the SOP to complete the cleaning operation before entering the production line.

### ✓ Equipment Efficiency Tracing

Collecting parameters in processes supports production management I to track the order compliance rate and equipment production efficiency and planning production schedules more efficiently.

#### ✓ Energy Monitoring

Regularly captures data to reduce the time cost and resource waste of manual records. And through the Kanban analysis of energy utilization, find out the monsters that eat electricity and make improvements.







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