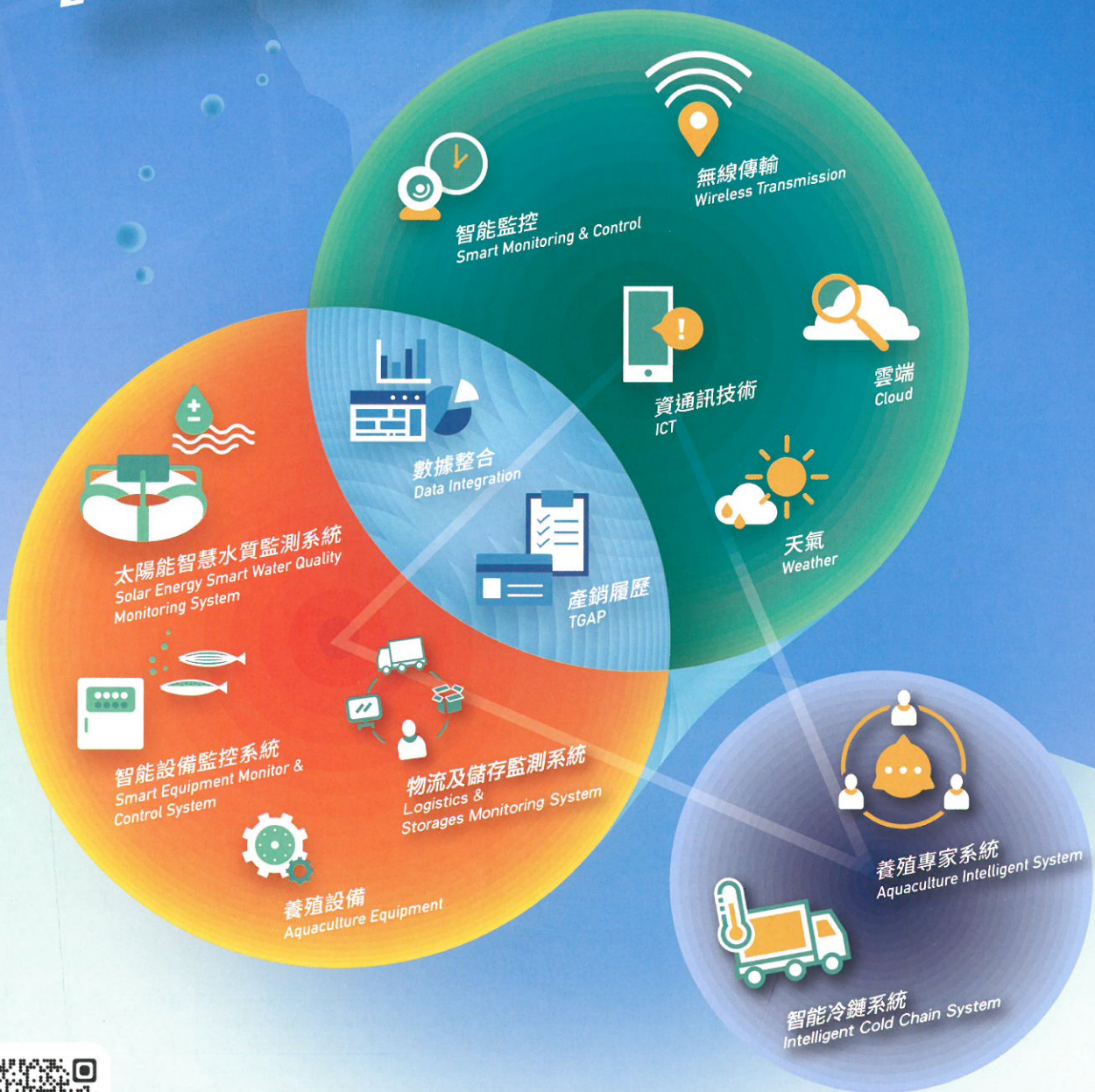


It's future!

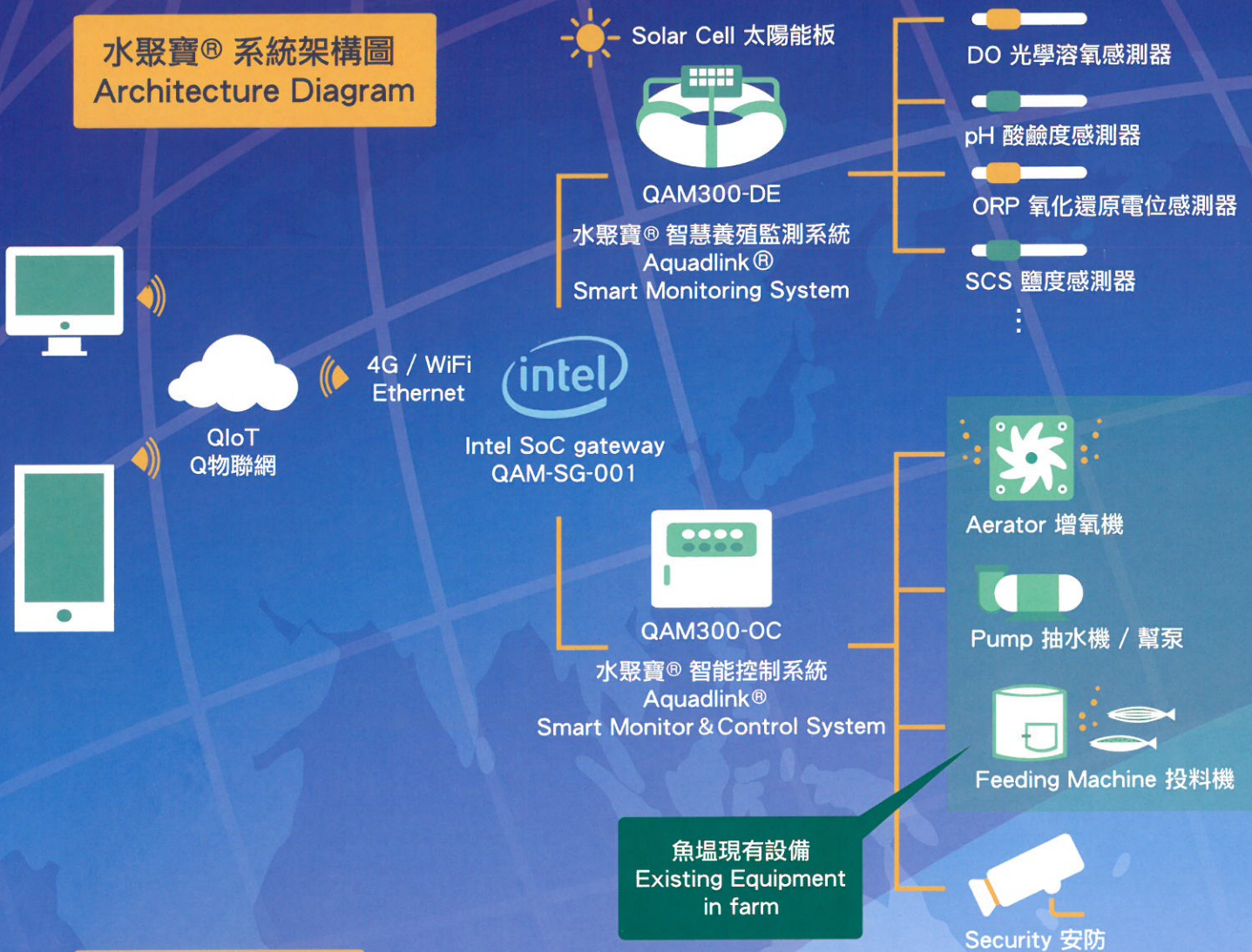
# 智能養殖 SMART AQUACULTURE

## 數據經濟 DATA ECONOMY





## 水聚寶® 系統架構圖 Architecture Diagram



## 水聚寶® 的優點 Advantage

• 對漁戶而言 (For Farmer) : 能讓產業升級 (Industry Upgrade), 增加利潤 (Profit Increase)

異常示警降低風險、減少損失  
The early warning mechanism provide sufficient response time to deal with risk.

省電效率30%~50%  
Save energy power efficiency 30% ~ 50%.

減少40%飼料浪費  
Reduce 40% waste of fish food

漁獲增加30%  
Increase fishery capacity up to 30%.

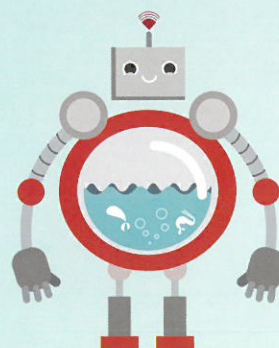
減少用藥/化學添加物, 提供天然健康食物  
Reduce medicine / chemical using, provide nature and safe food

透過人工智慧可經驗傳承, 吸引年輕人加入養殖行列  
Experience pass down by AI system, attract young generation to join aquaculture industry.

• 對客戶而言 (For Consumer) : 真實數據 (Real Data) & 安全信任 (Safety & Trust)

提升產品資訊透明, 養殖資料可保存並查詢  
Increase information transparency, fishery data kept and been able to trace.

提升食安信心  
Trust on food safety.



寬緯科技動畫影片  
Official Film





# 水聚寶<sup>®</sup> QAM300-DE 太陽能智慧 水質監測系統

Solar Energy Smart Water Quality  
Monitoring System



## 特性

1. 系統經FCC與NCC認證。
2. 防水IP-68等級，高可靠度且適用任何養殖環境。
3. 工業等級on-line傳感器可常期使用於20米深水環境，非手持式手動量測，監測不間斷。
4. 傳感器專利生物防污，延長使用壽命，且經SGS認證數據精準。
5. 水質異常語音、簡訊通知示警，即時有保障。
6. 養殖客制化，設備高擴充性，可依客戶養殖需求選擇不同傳感器。
7. 檢測的數據資料可供分析及匯出，有效建立完善養殖履歷紀錄及養殖大數據。

## Features

1. System has certification of FCC & NCC.
2. Waterproof grade IP68, high reliability and application to any aquaculture environment.
3. Water Quality is monitored continuously by on-line sensors instead of handheld sensors.
4. With biological anti-fouling device on the sensor, data accuracy is approved by SGS.
5. Alarm will be sent to users by voice & SMS if any abnormal condition happens, it can minimize the damage on rapid and extreme climate change, especially.
6. Feeding customization, high scalability. Various sensors can be selected depending on customer request.
7. Raw data can be analyzed and exported, which can build feeding history and Big Data efficiently.

QAM300-DE由太陽能供電，將水中持續監測到的溫度、酸鹼度、氧化還原電位值、溶氧值及鹽度等資料，透過4G網路、WiFi或LoRa等，傳送到雲端大數據資料庫及用戶端。漁戶安裝QAM300-DE後，因系統的主動預警而減少潛在的損失，透過每日的監測數據建立養殖資料庫，同時輕鬆推行食品安全履歷。

QAM300-DE powered by solar cell continuously monitors temperature, pH, Oxidation-Reduction Potential (ORP), dissolved oxygen and salinity of pond waters and periodically sends the measured data to cloud and clients in real time by 4G network, WiFi or LoRa.

The farmers already benefited by getting advance alerts to prevent potential loss, accessing to data from the cloud for their day management, and imposing traceability for food safety.



# 水聚寶<sup>®</sup> QAM300-OC 智能設備監控系統

Smart Equipment Monitor & Control System



## 特性

1. 節能省電，省電效率高達30%~50%。
2. 提供水車電流監控與防護，不論漏電、欠相、過載或重拖均能即時回報與示警。
3. 遠端遙控，可同時監控多組魚塢設備含水車、鼓風機、馬達、投料機等

## Features

1. Energy consumption will be saved around 30-50%.
2. Monitor the electric current of aerator, it will send alarm and will start protection mechanism to user automatically no matter power leakage, phase failure, overloading or heavy drag happens.
3. Remote monitor & control for various machines at the same time, including aerator, blower, motor, feeding machine.

QAM300-OC 可單獨使用於監控各式的養殖設備，包含增氧機、抽水馬達、鼓風機或投料機等。它也可與QAM300-DE搭配使用，當QAM300-DE量測出水中溶氧不足時，QAM300-OC將主動啟動水車，平時漁戶可減少水車運轉的數量以達到省電節目的目的；QAM300-OC也可設定投料機投料時間點及時間長度以避免過度餵食造成飼料浪費及水質污染。

QAM300-OC can monitor & control the equipments of aquaculture which include aerator, pumping motor, blower or feeding machine. It also can work with QAM300-DE to paddle the water only when oxygen in water is insufficient to save the electricity cost and/or with autofeeder to feed fish only when necessary to save the fish food cost and environment.

## Q物聯網

QIoT



[www.qiotk.com](http://www.qiotk.com)



Q物聯網



QIoT



## 特性

1. 警報通知
2. 遠端操作
3. 即時數據及影像
4. 多項報表及圖表可供選擇
5. 人性化操作

## Features

1. Abnormal Alarm
2. Remote Control
3. Real time data & image
4. Various reports & graphs can be selected.
5. Friendly user interface

## Android系統



## iOS系統

