

bigbest

bigbest solutions, Inc.



www.bigbest.com.tw

bigbest

bigbest focuses in the development, manufacturing and sales of extreme energy-saving intelligent motor and mechatronics control system. Used in air-conditioner, intelligent pump, intelligent fan, electric vehicle, mechanical power motor, and etc...





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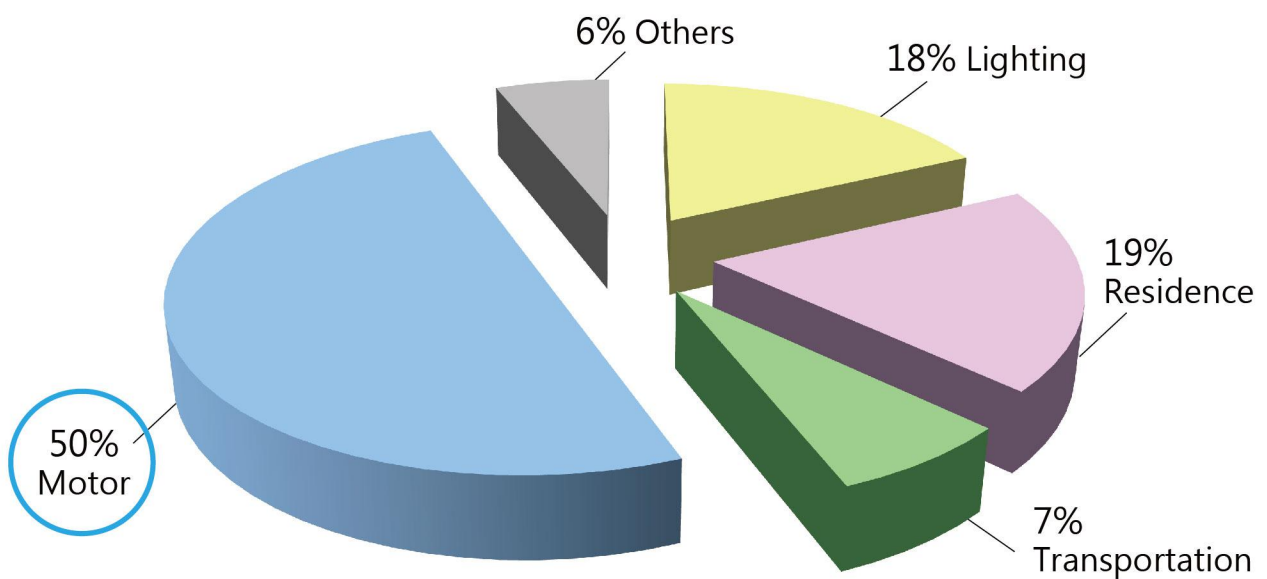
A**about** biggest

In view of the rapidly diminishing natural resources on the earth, environmental conservation, "green" energy and energy renewal are among the most important issues for future development. Electrical motors convert electricity into kinetic motion, and are widely used in consumer products. Its applications in industrial equipment are even more versatile. According to the statistics of IEA (International Energy Agent), the energy used to drive motors accounts for more than 50% of global power consumption. In order to reduce the energy consumption used in motors, it is necessary to adopt BLDC (Brushless DC) motor technology.

biggest integrates the design, devices, and manufacturing for a high efficiency, low cost, and eco-friendly intelligent motor to fulfill the growing demand in energy-saving market, including residential, commercial, and industrial applications. biggest shall make a commitment for a "greener" world with our Blue-Energy-Saving-Technology motors hereafter.



IEA Statistics: Global Electricity Consumption

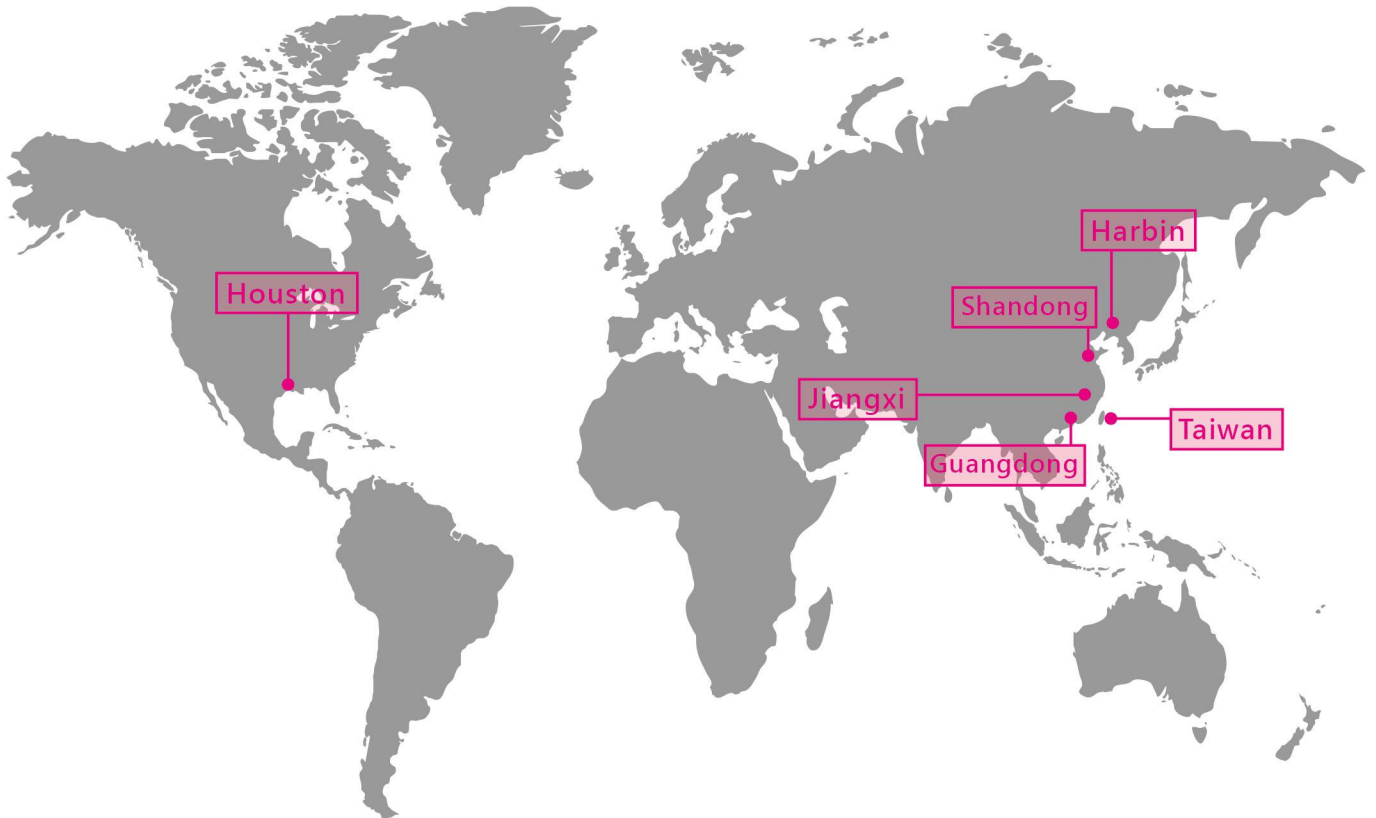


China Electricity Consumption : Motor consumes 70% (More Factories in China)

EU and US Electricity Consumption : Motor consumes 60%

IEA: International Energy Agency

Territory biggest



Enterprise Spirit

Core Value

Frugality, Innovation, Integrity, Accountability

Corporate Vision

To innovate new motor technologies, and to define the future of energy-saving motors.

Corporate Mission

To reduce carbon footprint against global warming.

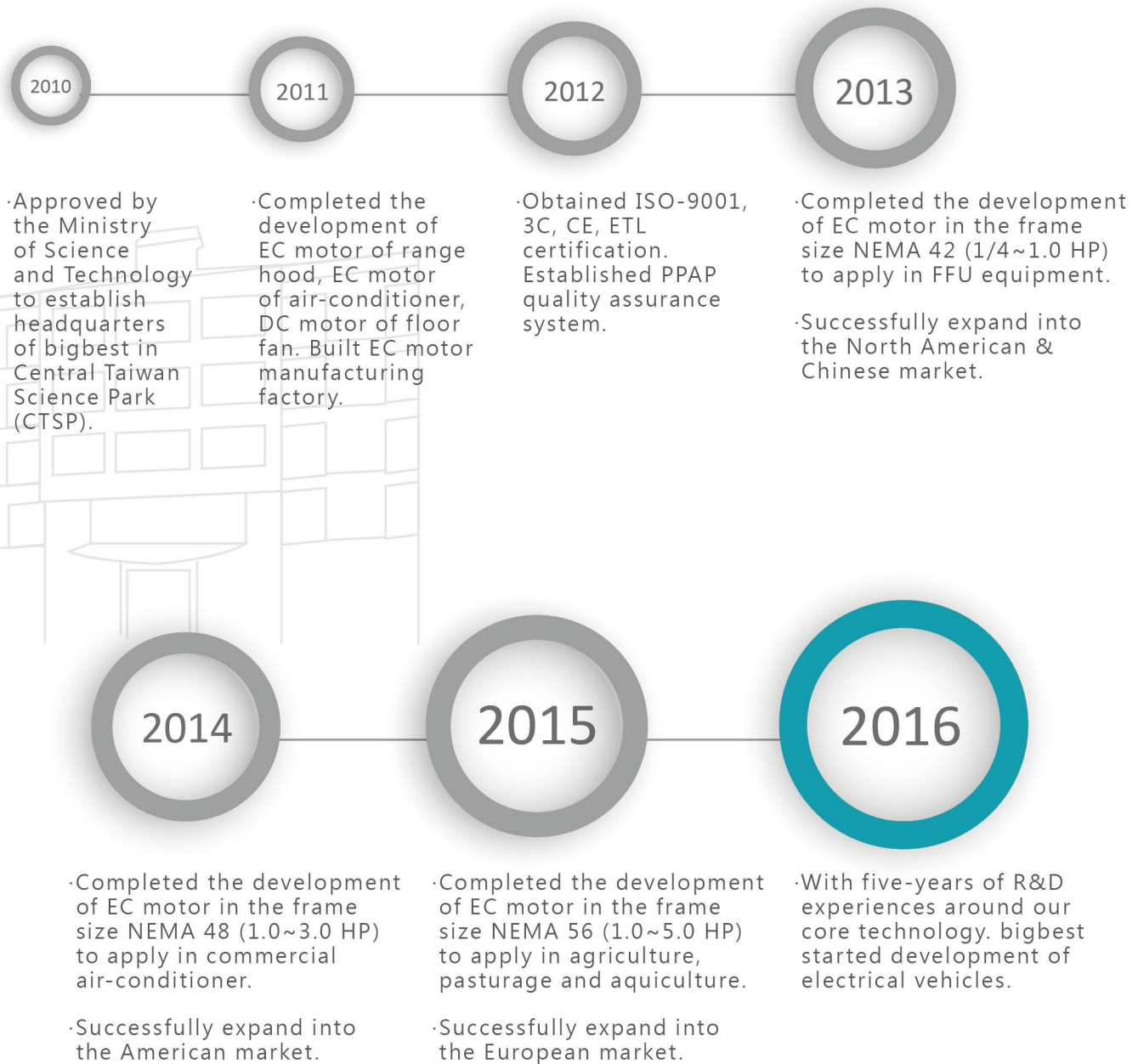
Management Philosophy

- To focus in the development and manufacturing of intelligent motor, drive control system, and mechatronics control system. biggest will never invest in the product nor market to compete with our customers.
- Dedicated to improve product quality and performance. At the same time to reduce cost and enhance customer' s product competitiveness. To sustain win-win situation for the environment, customers, and biggest.
- To operate with integrity and the positive attitude to make the company profitable, to reward shareholders and the society as a role model for the society.



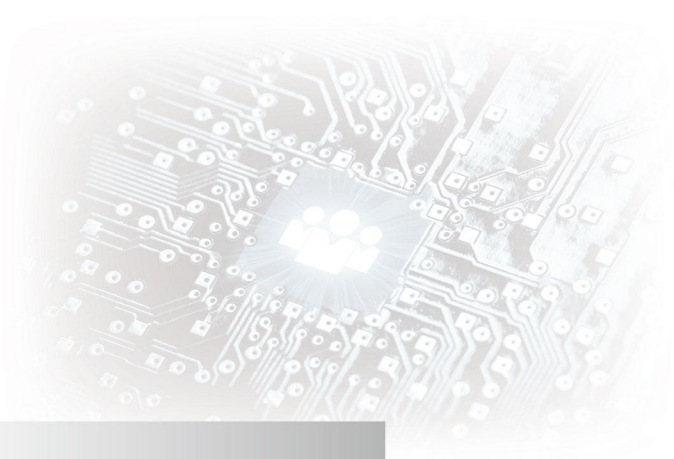


History



C

ore Competence



1

High efficiency magnet design and manufacturing

Leading by magnet expertise with 40-year experience, we develop polar anisotropic ferrite ring magnet, sine wave magnetizing and measurement on our own.

2

High efficiency intelligent motor design and manufacturing

Consult with academic professors and collaborate with famous universities and institutes in TW/China to enhance motor design and measurement capability.

3

Sensor/sensor-less hall sine wave motor driving technology

We have sine wave motor driving technology, complicated high-speed algorithm and IC control technique.

4

Power Factor Correction(PFC) and Electromagnetic Interference(EMI) control

High efficiency PFC and EMI solution is able to isolate interference effectively.

5

Adaptive control technique for temperature, pressure, and flow.

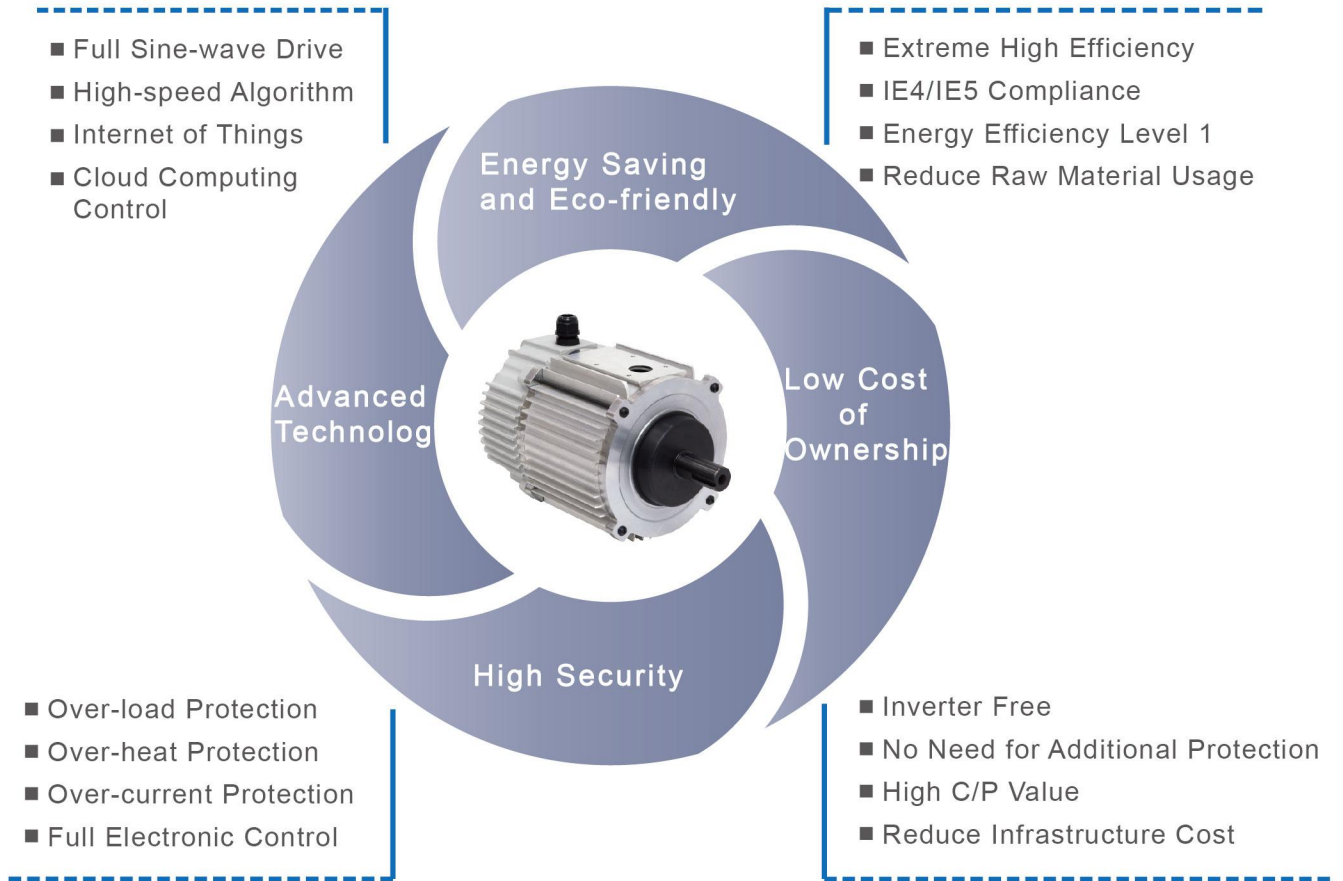
Apply MEMS to precisely control for constant temperature, constant pressure, and constant flow.

6

Automatic manufacturing and measurement equipment design

We develop automation equipment based on decades of motor manufacturing experience and combined with the concept of industrial 4.0.

bigbest Motor - Intelligent Choice



Best choice

Applications

Agriculture, Pasturage and Aquiculture

Product Service: Intelligent motor, Intelligent fan, intelligent pond aerator.

Application: Agriculture machine power motor, Ventilation system, Temperature and humidity air-conditioner, Aquaculture aeration, Irrigation water supply, Automatic storage, Automatic feeding system.



Vehicles

Product Service: Intelligent motor

Application: Electric vehicle, Electric bus, Fire truck, Train, Electric boat, Automobile air-conditioner, Oil tram, Electric door, Electric chair, Windshield wiper, Fuel pump, Brake system, Other motor for vehicle.



Household Appliances

Product Service: Intelligent motor

Application: Juicer, Air conditioner, Refrigerator, Washing machine, Dryer, Microwave oven, Dishwasher, Water pump, Vacuum cleaner, Range hood, Heat pump, Floor fan, Dehumidifier, Massage armchair, Exercise equipment, Elevator.



Medical Facility

Product Service: Intelligent motor

Application: Air conditioner, Ventilation system, Elevator, Escalator, Aseptic system, Warm water pump, Electric bed, Surgical tool, Fire pump, Water supply system, Exercise equipment.



Industrial Facility

Product Service: Intelligent motor, Intelligent fan.

Application: Mechanical power motor (Milling machine, Die casting machine, Drill, Grinding machine, etc.), Server motor, Cooling system, Ventilation fan, Industrial fan, Conveyor system, Air / Vacuum / Oil / Water pump.



Public Facility

Product Service: Intelligent motor, Intelligent pump.

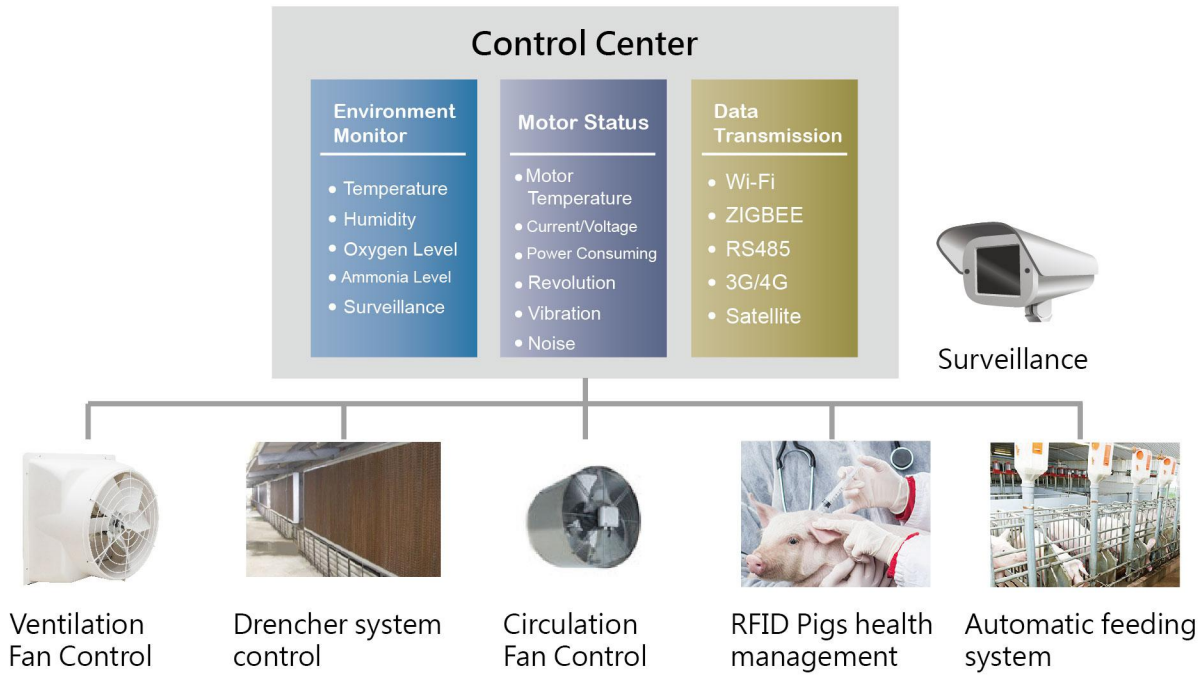
Application: Water pump, Warm water pump, Constant pressure pump, Circulation pump, Waste water pump, Water supply pump.



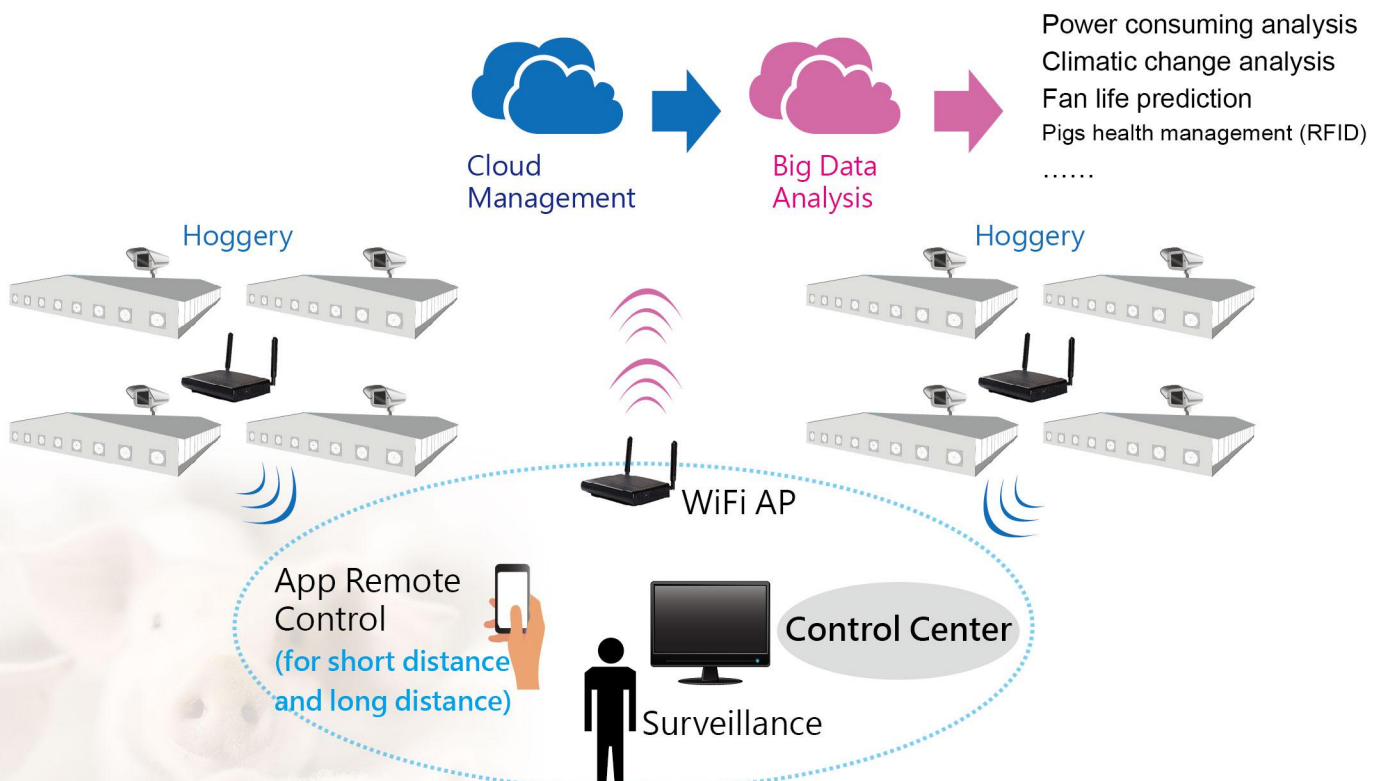
I nternet of Things (IoT)

Extreme energy saving intelligent control system for pasturage.

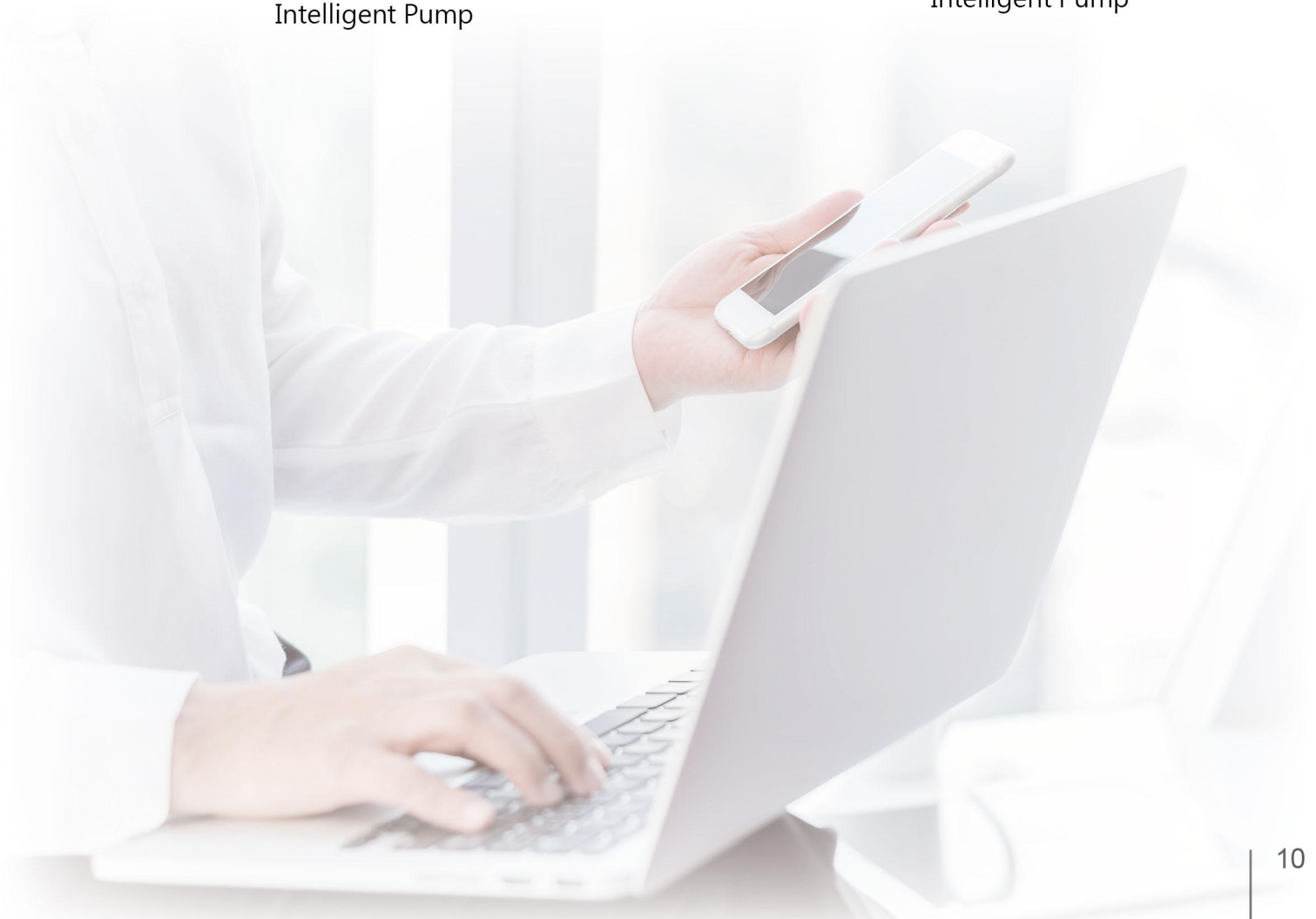
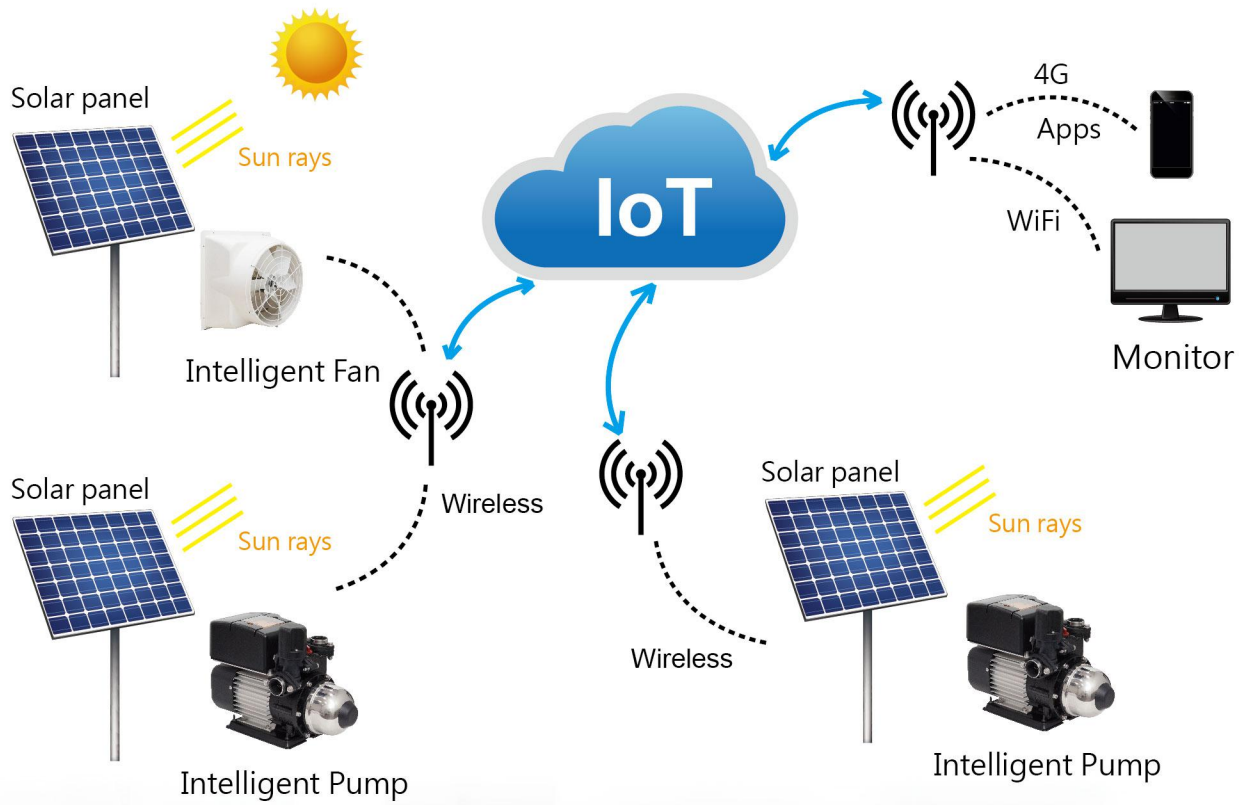
A consummate cultivating environment can increase the cutability yield rate of the pig and enhance the pork quality. The temperature, humidity, oxygen level, and ammonia level, all have to be controlled precisely. If we can replace the traditional motor with intelligent motor on the equipment like drencher, ventilation fan, circulation fan, we can make them automated, and even monitored/controlled by the cloud or App so as to reduce labor cost and save a lot of energy.



Air-conditioning System for Hoggery – IoT



**Extreme energy saving intelligent control system
for agriculture, pasturage, and aquiculture.
– IoT (Intelligent Fan / Intelligent Pump)**



Production Equipment

Customized production / Standard manufacture / Scientific test



Tester



Wiring 3Q tester



Dynamic balance tester



Function tester



HIPOT inspection machine



Function test machine

Reliability Test Capacity



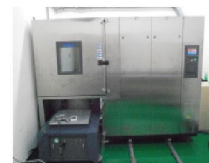
Constant temperature and humidity



Salt spray machine



Vibration machine



Temp. & humidity vibration combined environmental tester



Drop machine



Thermal shock machine



Temperature Test

To keep innovating and pursue excellence



ISO9001



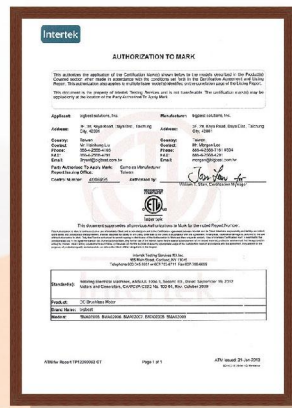
CCC certificate



CCC for motor



CE certificate



ETL certificate



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