

SUPCON

Make Industry Smarter Make Life Easier

— SUPCON Overview —

Srinivasan Ramalingam – Business Development

SUPCON 688777.SH

May 2022

An Intelligent Automation Solution Provider

for Process Industries

Process Automation + Digital Transformation

\$709M
full-year revenue 2021

43.1%
YOY growth

8
global offices

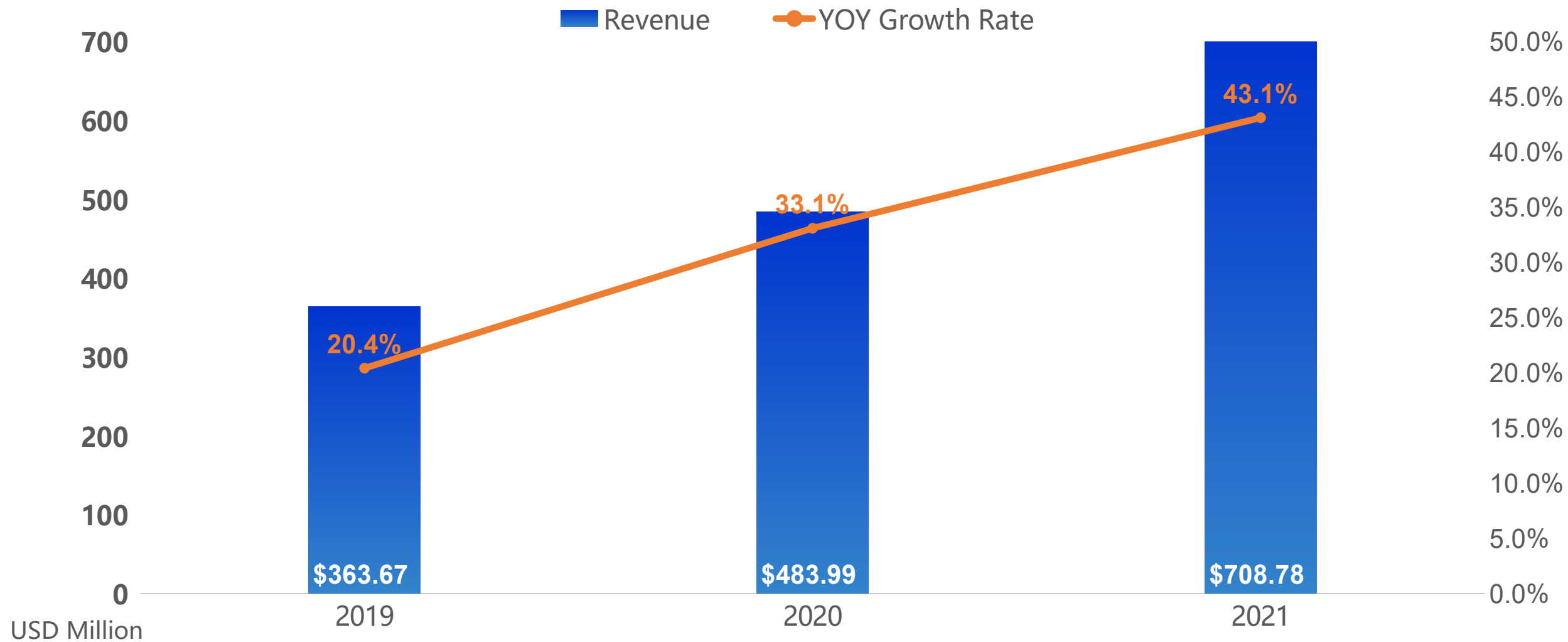
No.1 DCS supplier
in China market 2021

No.1 APC supplier
in China market 2021

No. 2 SIS supplier
in China market 2021

A Sustainable Growing Company

SUPCON Revenue 2019-2021



USD/CNY= 6.9762 (end 2019); 6.5249 (end 2020); 6.3757 (end 2021)

*Rate from State Administration of Foreign Exchange

Global Presence

SUPCON

8

Global
Offices

50+

Countries

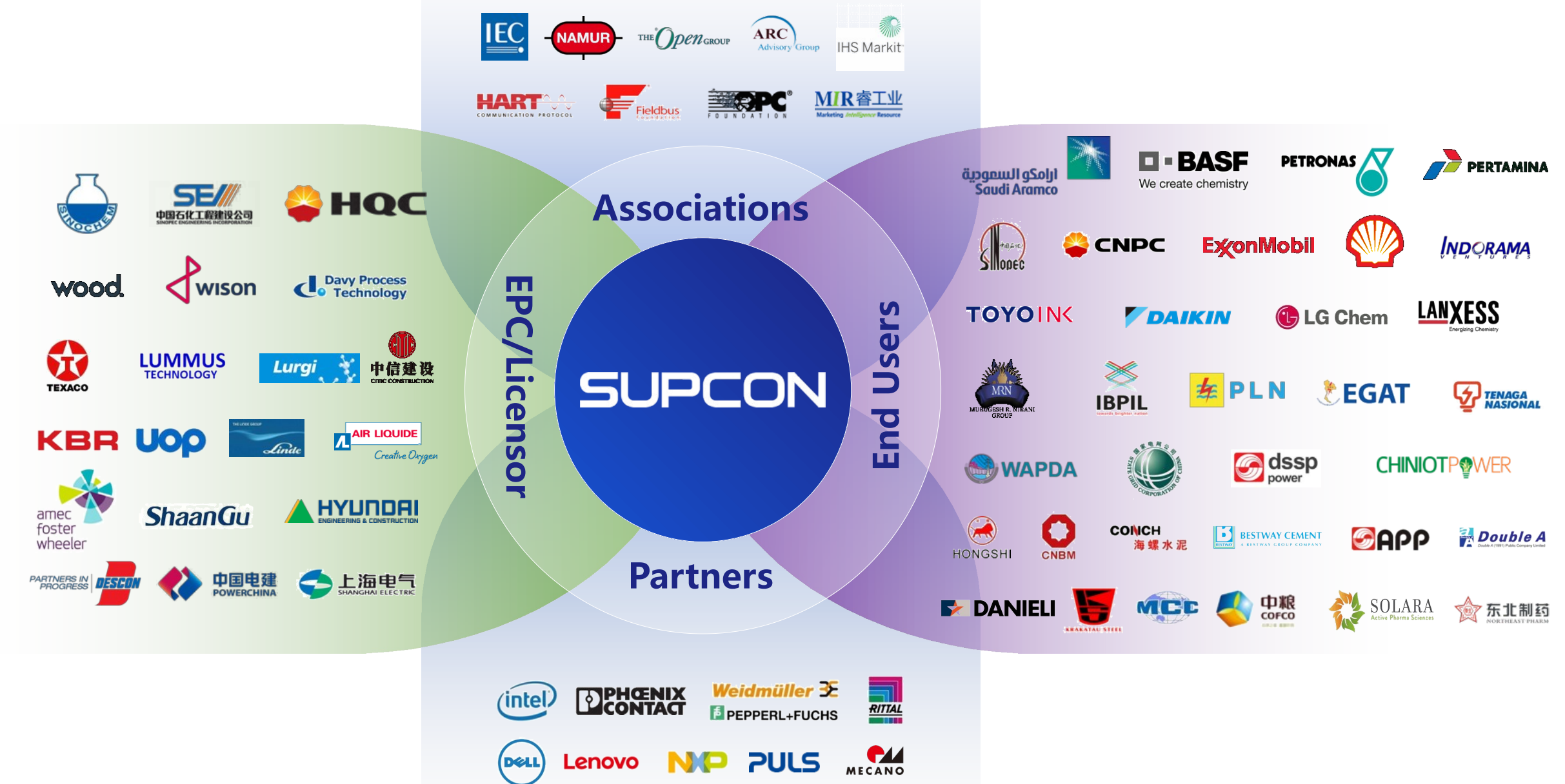
5,000+

Employees



Cooperation & Ecosystem

SUPCON



Client's success. Fighting Spirit, Creativity, and Integrity. Pursuit of Excellence.



"Creating value and helping our client succeed is what guides us at the very outset. It is our clear and necessary mandate as we set forth upon our journey. "

—— Chu Jian, Founder of SUPCON

"SUPCON is not only the most intimate partner of our clients, but also the closest intelligent expert of digitalization. We will perceive client needs and expectations, and promote mutual achievement with excellent solutions."

—— Cui Shan, Chairman & CEO



- **Platform + APP**

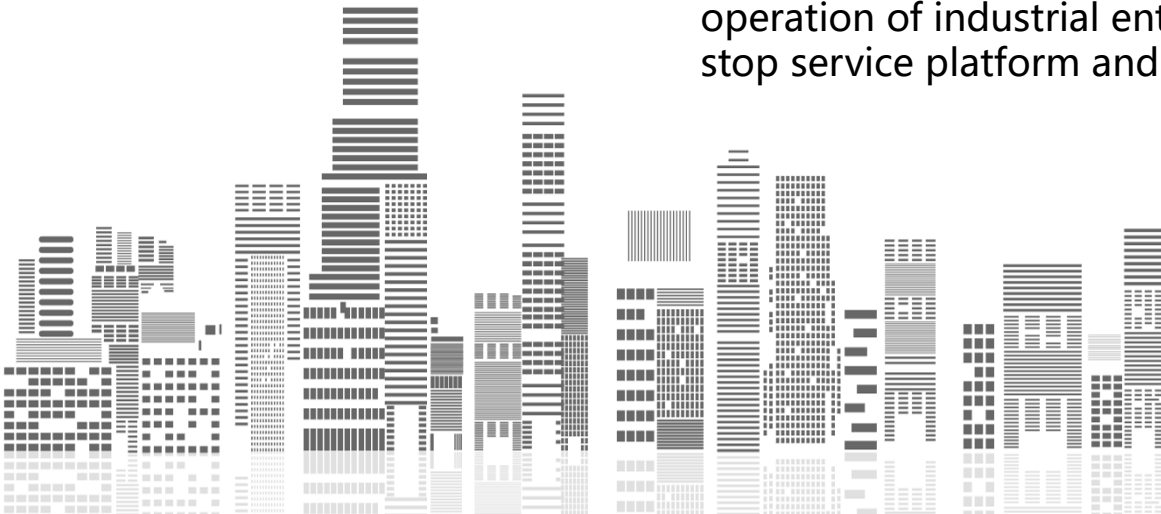
dOps™ digital operations provides a Plant Operating System Platform + APP architecture to integrate all plant data silos and unlock immense value

- **5S+S2B**

PLANTMATE® service to support continuous operation of industrial enterprises with 5S one-stop service platform and S2B online E-Mall

5T

AI-POET® 5T Strategy to leverage our integrated technologies and empower process enterprises



5T Integration - Creating New Value for Process Industry

SUPCON



AI-POET™

5T Unite Intelligent Era

AT + IT + PT + OT + ET

Automation
Technology

Information
Technology

Process
Technology

Operation
Technology

Equipment
Technology



Quality



Safety



Low-Carbon



Cost



Efficiency

THINK **BIG**

START **SMALL**

SCALE

Organization Objectives

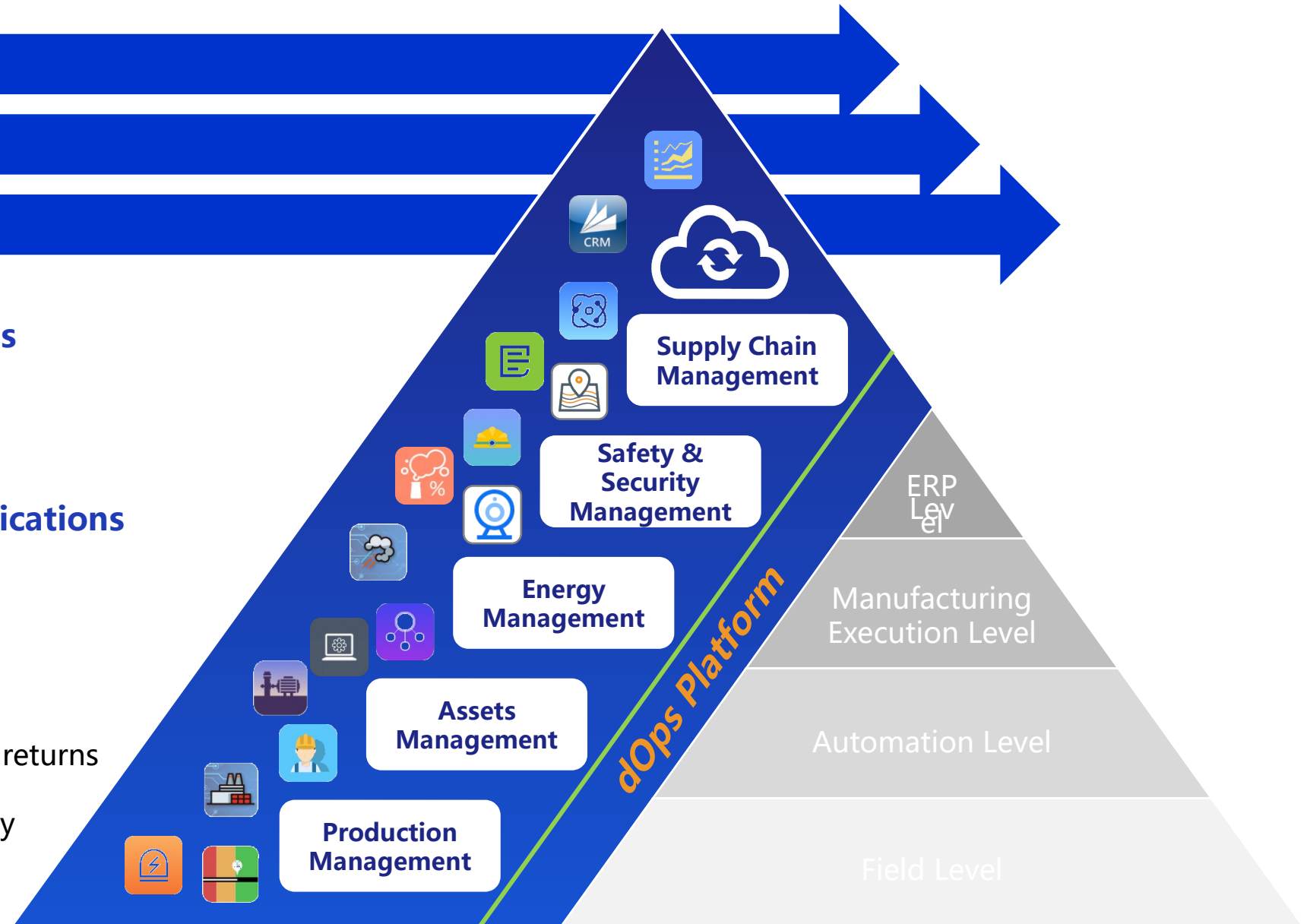
- Operational excellence
- Customer experiences
- Sustainability

Alignment, Gap Identifications

- Process
- Technology
- Organization

Dev Business Case

- Tangible and intangible returns
- Objective alignment
- Gap priority and urgency





Intelligent APP Store

Production Management HSE Management Supply Chain Management Energy Management Asset Management

dOps™ Plant Operating System Platform

IoT Suites Industrial Big Data Management Industrial Micro-service Component Library

Industrial Data Integration

EPA PROFIBUS Modbus OPC Fieldbus HART LoRa 5G

Other field devices / equipment / systems

Product Portfolio

SUPCON



MONITORING & OPTIMIZATION SYSTEM



ECS-700 DCS



JX-300XP DCS



TCS-900 SIS



TCS-500 SIS



G3 Smart PLC

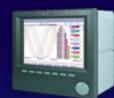


G5 pro PLC

CONTROL SYSTEM



Flowmeter



Paperless Recorder



Safety Barrier



Linear Motion Valve



Ball Valve



Ball Valve



Volatile Organic Compound System



Continuous Emission Monitoring System



Transmitter



Calibrator



Batch Controller



Rotary Motion Valve



Self-operated Valve



Butterfly Valve



Process Analyzer



Lab Analyzer

INSTRUMENTATION

Advanced Process Control Software

Main Components

APC-iSYS

advanced control platform

APC-Adcon

advanced multivariable robust predictive control software

APC-Sensor

intelligent soft-sensing software

Main Benefits

Safe, stable, long-term, full-capacity and optimized operation:

- **50%↓** standard deviation of the key variable fluctuation
- **1~5%↑** processing capacity
- **1~5%↑** target product yield
- **2~5%↓** specific energy consumption
- **1~5%↓** specific material consumption
-

No. 1

APC supplier in China

28.6%

market share in 2021



Webfield® ECS-700/JX-300XP

Distributed Control System

- Applicable as **DCS, FCS, PCS, IACS, PDCS**
- **99.9999%** availability, ensures stable operation
- Up to **60** control domains, **1 million I/Os**
- Supports OPC, MODBUS, HART, FF, PROFIBUS, etc.
- MC Directive II & ISA71.04 G3 gas corrosion standard
- Leading China DCS market since 2011

No. 1

DCS supplier in China

33.8%

market share in 2021





Webfield® TCS-900/TCS-500

Safety Instrumented System

- TÜV SIL3 certified functional safety standard
- TMR architecture, supporting 3-3-2-2-0 degrading
- Applicable as ESD/BMS/FGS/CCS
- EN 61326-1:2013 4A level Surge, ESD and Burst resistance
- ANSI/ISA-S74.01 G3 gas corrosion standard

No.2

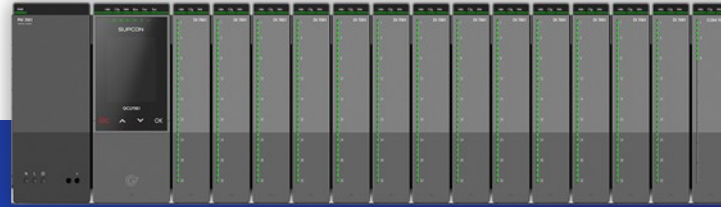
SIS supplier in China

25.7%

market share in 2021



G5 Pro



Medium and large scale networked PLC

- Distributed architecture: support centralized management and system diagnosis
- High speed, flexible network, easy installation, high environmental adaptability



Multiple control strategies



Strong remote maintenance capability

G3 Smart



Small and medium scale distributed PLC

- Distributed RTU: support remote access, flexible installation, high environmental adaptability
- Integrated PLC: rapidity, simplicity and flexibility



Flexible network architecture



High environmental adaptability

Control Valve Product Series



Efficient installation

Standard interface
Modular design



Safe operation

Explosion-proof
Erosion and corrosion resistance



Green production

High sealing performance
Shock-absorbing & noise-proof design



High return

Long lifespan
Low maintenance investment

LN8/LM8 Series

Linear Motion
Control Valve



ZZ Series

Self-operated
Control Valve

SN5 Series

O-type
Ball Valve



CN8 Series

Eccentric Rotary
Control Valve

VN6 Series

V-Notch
Ball Valve



BN Series

Triple Off-set
Butterfly Valve



Intelligent Instrument Product Series

CXT Series

Pressure Transmitter

0.05% Certified Precision (up to 0.035%)

0.1% per ten year stability

43,000 sets sold in 2020



EMF Series
Electromagnetic
Flowmeter



HD5500 Series
Safety Barrier



R5000
Paperless Recorder



X Series
Process Calibrator

Industrial Analyzer Product Series

Environmental Online Monitoring

- VOCs (Volatile Organic Compound System)
- CEMS (Continuous Emission Monitoring System)
- Water quality monitoring device



TSPEC-6100 VOCs
Volatile Organic
Compound System



TrCEMS-3000L
Continuous Emission
Monitoring System

Process Analysis

- Industrial process chromatograph
- Total hydrocarbon analyzer
- Cement composition analyzer
- Densitometer
- Viscometer
- Tunable Diode Laser (TDL) gas analyzer



Laboratory Analysis

- Laboratory chromatograph
- Intelligent multicomponent standard liquid preparation robot



Trusted Services & Support

PLANTMATE[®]

Industrial Partner. Intelligent Expert.



Specialists



Sales



Spare parts



Service

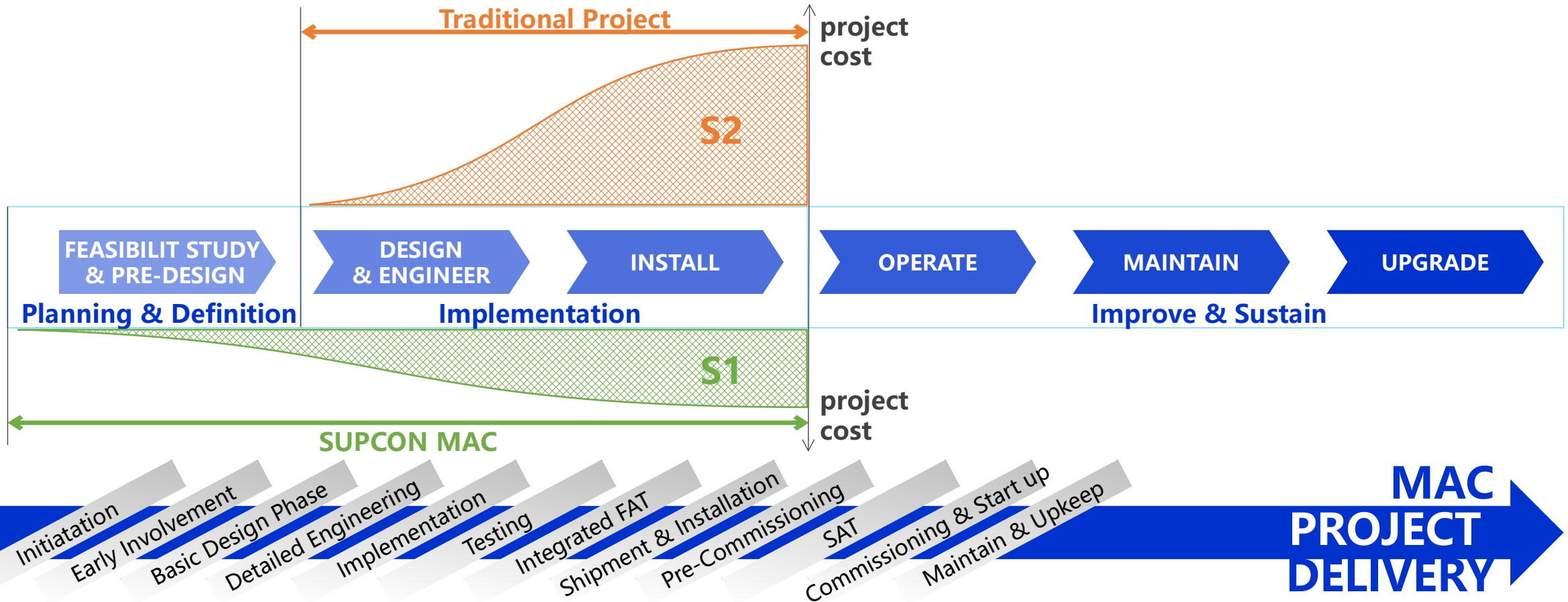


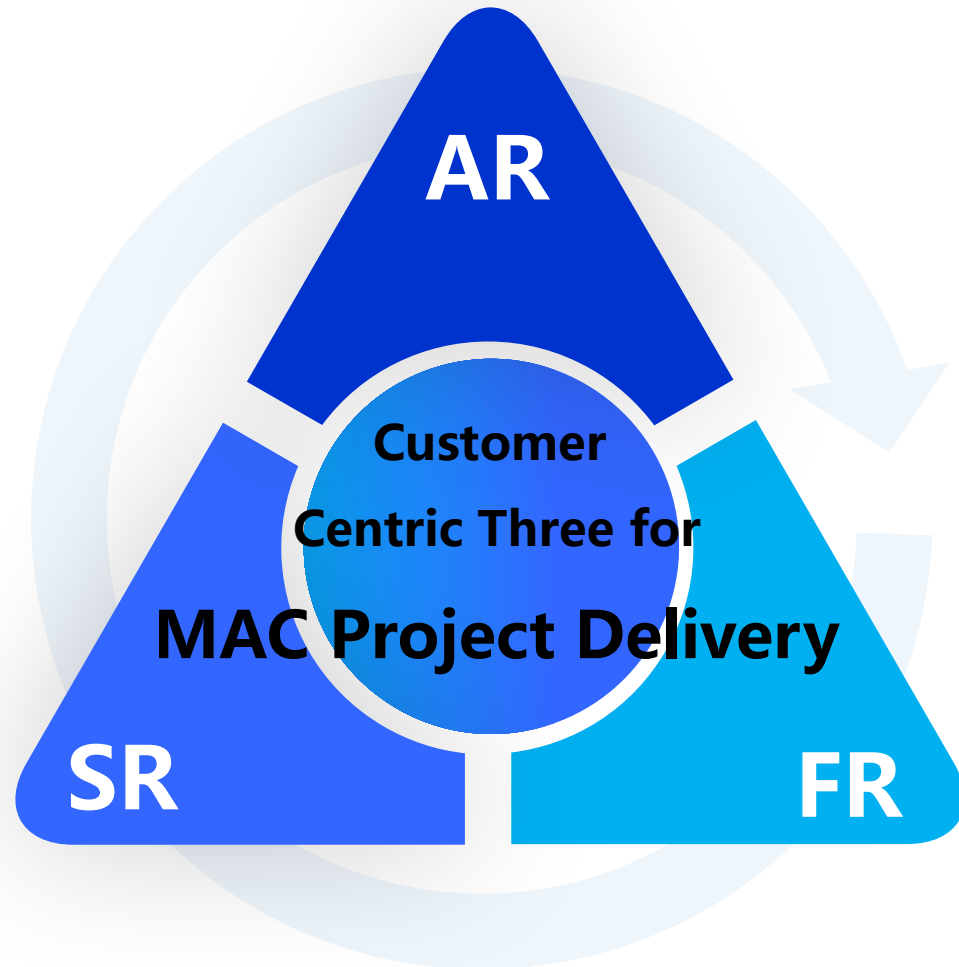
Solutions

MAC - Save Your Cost and Time

Early Project Involvement with Simple Point of Responsibility to Improve Project Delivery Efficiency

project cost
S1 << **S2**
MAC Trad.





AR team

MAC regisseur to manage user expectations

- ✓ Develop sales strategy
- ✓ Project schedule control
- ✓ Quality assurance of contract performance

SR team

MAC composer to converting user expectations

- ✓ Deep understanding of the industry and products
- ✓ Deep investigation of customer expectations
- ✓ Professional feasibility solution output

FR team

MAC executant to deliver user expectations

- ✓ Project process and quality control
- ✓ Project risk control
- ✓ Project value realization

Investment

11%

Annual Revenue Invested in R&D

6

Automation Labs

1,700+

R&D Engineers

Focus

Cutting-edge Technologies

AI Controller, Industrial Cloud, Industrial Wireless, Video Identification, etc.

Product Development

Hardware & Software, System Integration, Batch Control, Cyber Security, Fieldbus Communication, etc.

Industry Study

Oil & Gas, Refinery, Petrochemical, Chemical, Power, Pharmaceutical, etc.

Standards

2

International Standards

19

National Standards

361

Patents

459

Registered Software Copyrights

Second prize of

National Science Progress Award

First prize of

China Standard Innovation Contribution



Manufacturing Capabilities

98.42% FPY (First-Pass Yield)

0.07% Repair Rate



RoHS compliant
Pb-free process



Fixed temperature & humidity
Electrostatic potential
& dust concentration



Intelligent manufacturing
throughout whole process



SMT



THT



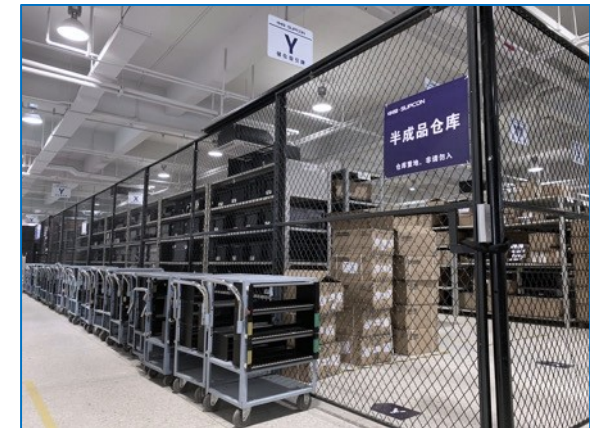
Coating



Cabinet Assembling



Calibrating & Test



Warehousing

...provide the excellent stability and good quality for achieving more progress and energy efficient with enhanced quality...

...the product has worked very well as well as the after-sales and spare part support...

...we have not experienced any hardware related issues with installed system...

Voices from our users

... your engineer proved himself to be a highly skilled and experienced specialist...

... your engineer used to answer all our questions in a competent and understandable manner which facilitated the further operation of SUPCON system...

...we found the SUPCON DCS system supplied is very user-friendly & easy for operation & maintenance...



Oil & Gas



Refinery & Petrochemical



Chemical



Power



Building Material



Metallurgy



Pulp & Paper



Pharmaceutical



Food & Beverage



... ..



Corporate Social Responsibility

SUPCON



Create value
for our clients



Stick to
safe & green production



Provide
a platform of fair work



Support
the next generation



Give love
to the community



Make Industry Smarter

Make Life Easier