


Value Added is Our mission



SUSTECH

INTEGRATED TECHNOLOGIES


LoRa
Alliance[®]
Member



*We tailor technology solutions to meet our clients' unique needs,
providing customized solutions with Value added,
rather than off-the-shelf products.*



Our Vision

Being an essential partner in providing latest IIoT technologies and clean Energy Sectors, adding sustainable value to our Clients and Customers through “Best of Class” Services and promoting excellent working environment and achieving **Business Continuity objective**.



Our Mission

To be a leading in our services by offering *state of the art* technologies and applying a quality work and value-added services , meeting & exceeding Client’s expectation through:

- Maintain a **Healthy, Safe and Environmental** friendly services.
- Provide **high quality products** to End-users.
- Provide the stewardship and professional resources to maintain **continuous and sustainable** services.
- Seek **Technological advancement** for business enhancement



Core Value

Our Destination is constant , our Journey is flexible , our method is customized and , our Mission will never change ,,,, Trust , Teamwork , Transparency , Respect , Accountability , Integrity , Safety & Stewardship are our Core of **Competence**

SUSTECH is a solution provider company, from team of experts who can innovate ideas and create unique solutions inspired by technology that meet Clients' expectations. We are a diverse team of brilliant and passionate individuals applying game – changing solutions focused on IIOT & Green Energy and Innovation i.e., to meet and exceed clients' expectations aiming to gain consistent and long-term relationship



SUSTECH is a Clean Energy and IIOT company and integrated Solution Provider located in Masdar, the hub of clean and sustainable energy to the world.



SUSTECH is a team of Subject Matter Experts in their specialized Fields i.e., sustainable Energy & IIOT . Have the sufficient experience and track of records for giving solutions and leveraging latest technologies.



SUSTECH is your long-term partner to engineer your business requirement , evaluate & provide the state-of-the-art Technology considering cost-effective and value-added solutions to our valuable Clients.



SUSTECH team are individuals who streamline their technical know-how and past experiences to form the foundation for Clients' satisfaction , loyalty and business expansion, inspiring our engineers to deliver projects that bring prosperity to our customers.



SUSTECH highly-experienced team who embrace and advocate Industry 4.0, Clean Energy

OUR PILLARS

Comprehensive

A fully integrated approach, from scope definition through field execution and project closeout.

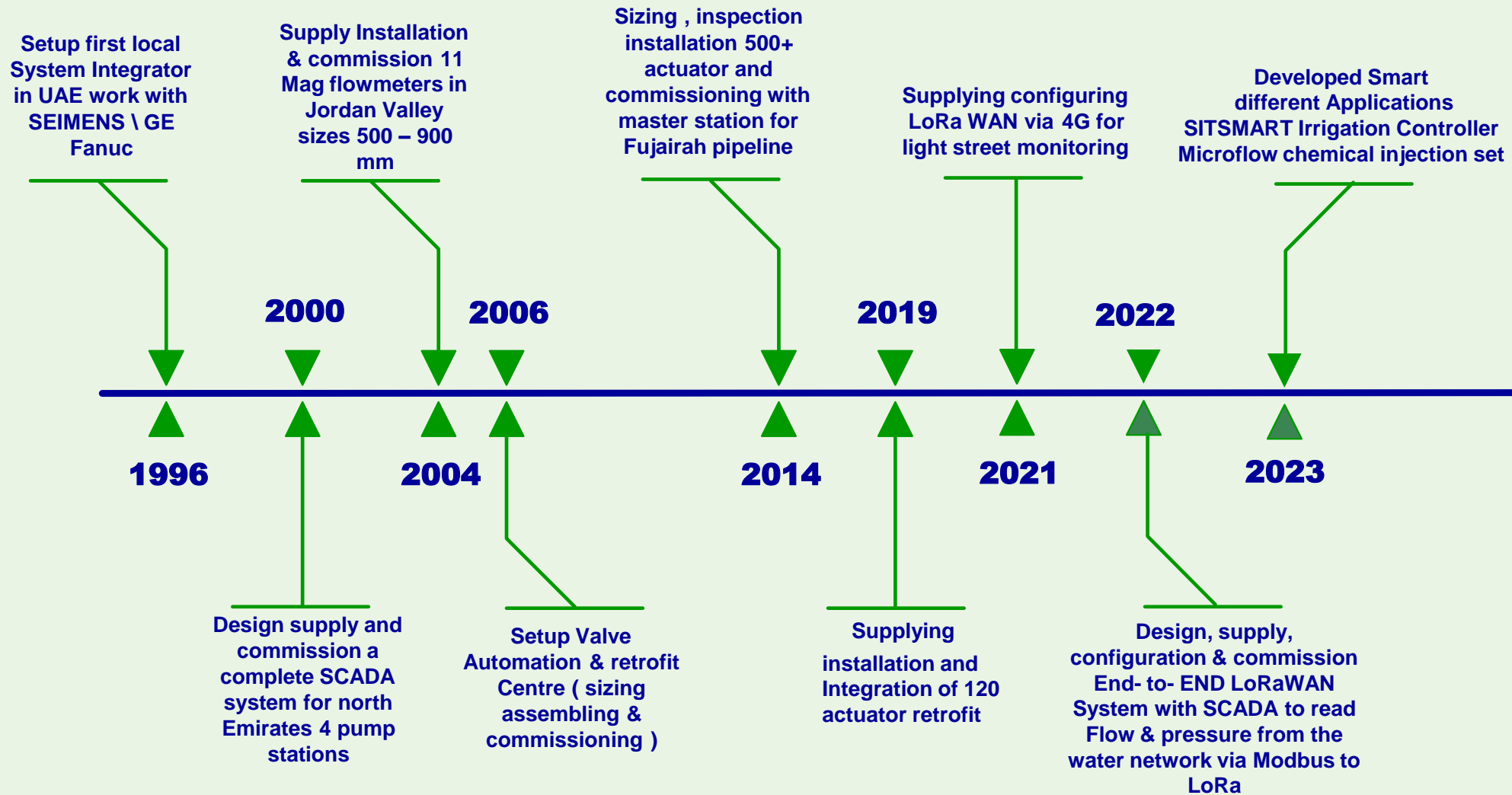
Dynamic

The ability to quickly respond to changing customer requirements and priorities.

Flexible

Committed to customer choice by tailoring solutions to meet specific needs, Fit for purpose solutions

Timeline & Milestone



Note: The board member management experiences cover IT, OT & Process Automation, and this Timeline is a sample of SUSTECH management experiences but not reflect the joint effort of management experiences

QA / QC

BRIXTON ASSESSMENT SERVICES



Certificate of Registration

This is to certify that the management system of the

Sustech Integrated Technologies Limited
 P.O. Box: 7123, Rabdan Mall Offices, Office# 101, Rabdan, Abu Dhabi, United Arab Emirates

has been assessed and found to be in compliance with the requirements of standard details below

ISO 14001:2015

This certificate is valid for the following scope

Design, Engineering, Procurement, Supply, Integration, Installation & Commissioning of: IOT Solutions, Process Equipment, Instrumentation, Control & Automation

Certificate No : BA-BAS-B10117

Certification Issue Date : 27/12/2022	1 st Surveillance Due : 26/12/2023
Certificate Valid Until : 26/12/2025	2 nd Surveillance Due : 26/12/2024
	Recertification Initiation Due : 26/10/2025

It is recommended for the recertification to be initiated at least 2 months prior to the end of certificate validity for timely renewal.

Nancy
 Certification Manager
 Brixton Assessment Services






Further clarification regarding the scope of the certificate and the applicability of ISO 14001:2015 requirements may be obtained by consulting the organization.
 This certificate remains valid while the holder maintains the management system in accordance with the standard above, which will be audited by Brixton Assessment Services through surveillance. This certificate remains the property of Brixton Assessment Services. Lack of fulfillment of conditions as set out in the certification agreement may render this certificate invalid.
 Kemp House, 168 City Road, London, EC1Y 2NX, United Kingdom. www.bascert.com

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ISO 9001:2015

This certificate is valid for the following scope

Design, Engineering, Procurement, Supply, Integration, Installation & Commissioning of: IOT Solutions, Process Equipment, Instrumentation, Control & Automation

Certificate No : BA-BAS-B10118

Certification Issue Date : 27/12/2022	1 st Surveillance Due : 26/12/2023
Certificate Valid Until : 26/12/2025	2 nd Surveillance Due : 26/12/2024
	Recertification Initiation Due : 26/10/2025

It is recommended for the recertification to be initiated at least 2 months prior to the end of certificate validity for timely renewal.

Nancy
 Certification Manager
 Brixton Assessment Services






Further clarification regarding the scope of the certificate and the applicability of ISO 9001:2015 requirements may be obtained by consulting the organization.
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ISO 45001:2018

This certificate is valid for the following scope

Design, Engineering, Procurement, Supply, Integration, Installation & Commissioning of: IOT Solutions, Process Equipment, Instrumentation, Control & Automation

Certificate No : BA-BAS-B10119

Certification Issue Date : 27/12/2022	1 st Surveillance Due : 26/12/2023
Certificate Valid Until : 26/12/2025	2 nd Surveillance Due : 26/12/2024
	Recertification Initiation Due : 26/10/2025

It is recommended for the recertification to be initiated at least 2 months prior to the end of certificate validity for timely renewal.

Nancy
 Certification Manager
 Brixton Assessment Services






Further clarification regarding the scope of the certificate and the applicability of ISO 45001:2018 requirements may be obtained by consulting the organization.
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Why Solution Provider ?

*Leverage Open Innovation
for Ultimate Value
Amplification*

FIT FOR PURPOSE

Instruments + Technical
Experience = Solution

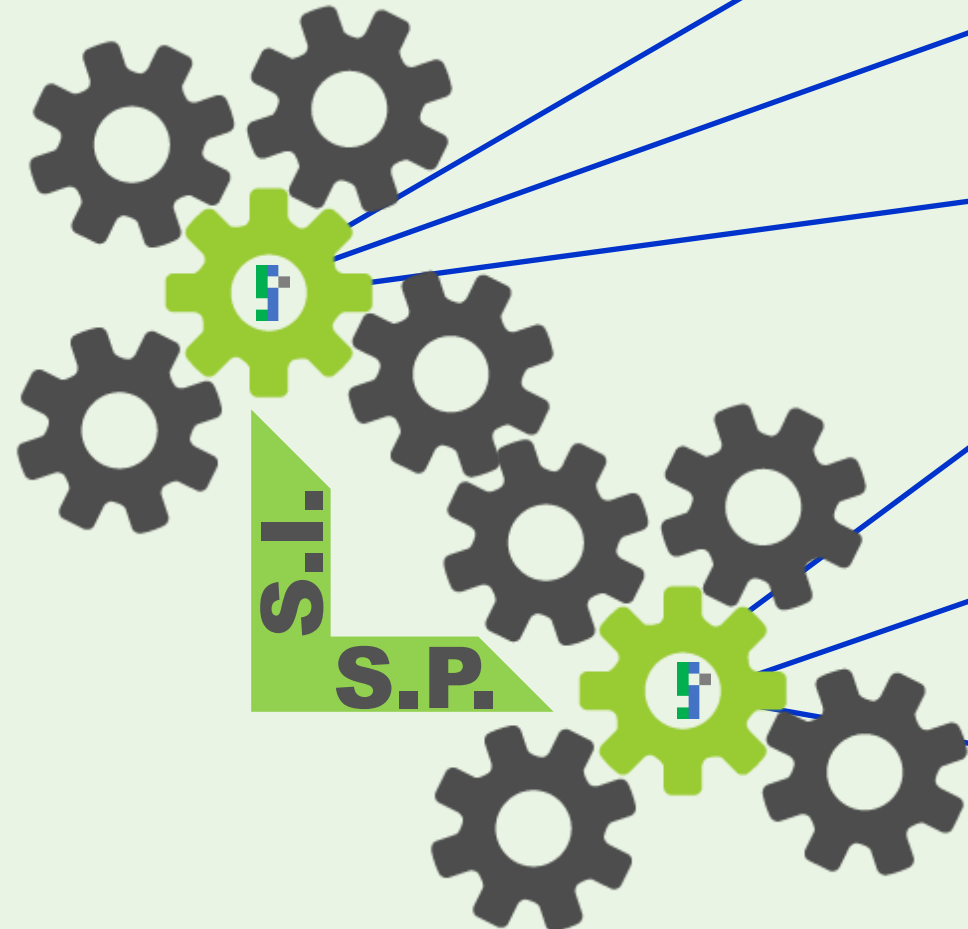
We Sell the Solution
Not the Product

We Sell a Solution to Meet
Client's Satisfaction

Improving Operations

Reduce Costs

Enhance Performance
& Sustainability



AUTHORIZATION CERTIFICATE

This is to certify that
SUSTECH INTEGRATED TECHNOLOGIES

is an Authorized System Integrator of
Altus Sistemas de Automação S.A.
for the Category - End User Specialist

March 27th, 2023 - São Leopoldo, Brazil

Agostinho
Agostinho Marketing Manager

Altus Sistemas de Automação S.A.
altus@altus.com.br | www.altus.com.br



Sustech Integrated Technologies Limited

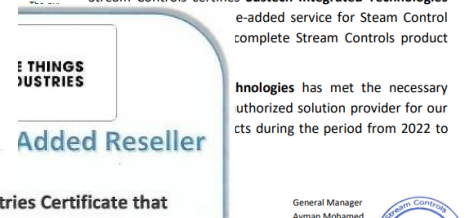
is authorized as a
System Integrator
with recognized capability to engineer, develop and install solutions
featuring Emerson's Industrial Automation & Control portfolio of products.



Jeff Householder
Jeff Householder
President
Machine Automation Solutions
Emerson

David Kraft
David Kraft
Vice President, Sales
Machine Automation Solutions
Emerson

ISSUE DATE: 12 SEP 2023
AGREEMENT: N000016356
EXPIRATION DATE: 10 SEP 2024
CUSTOMER SERVICE NUMBER: 69846



VAR Certificates

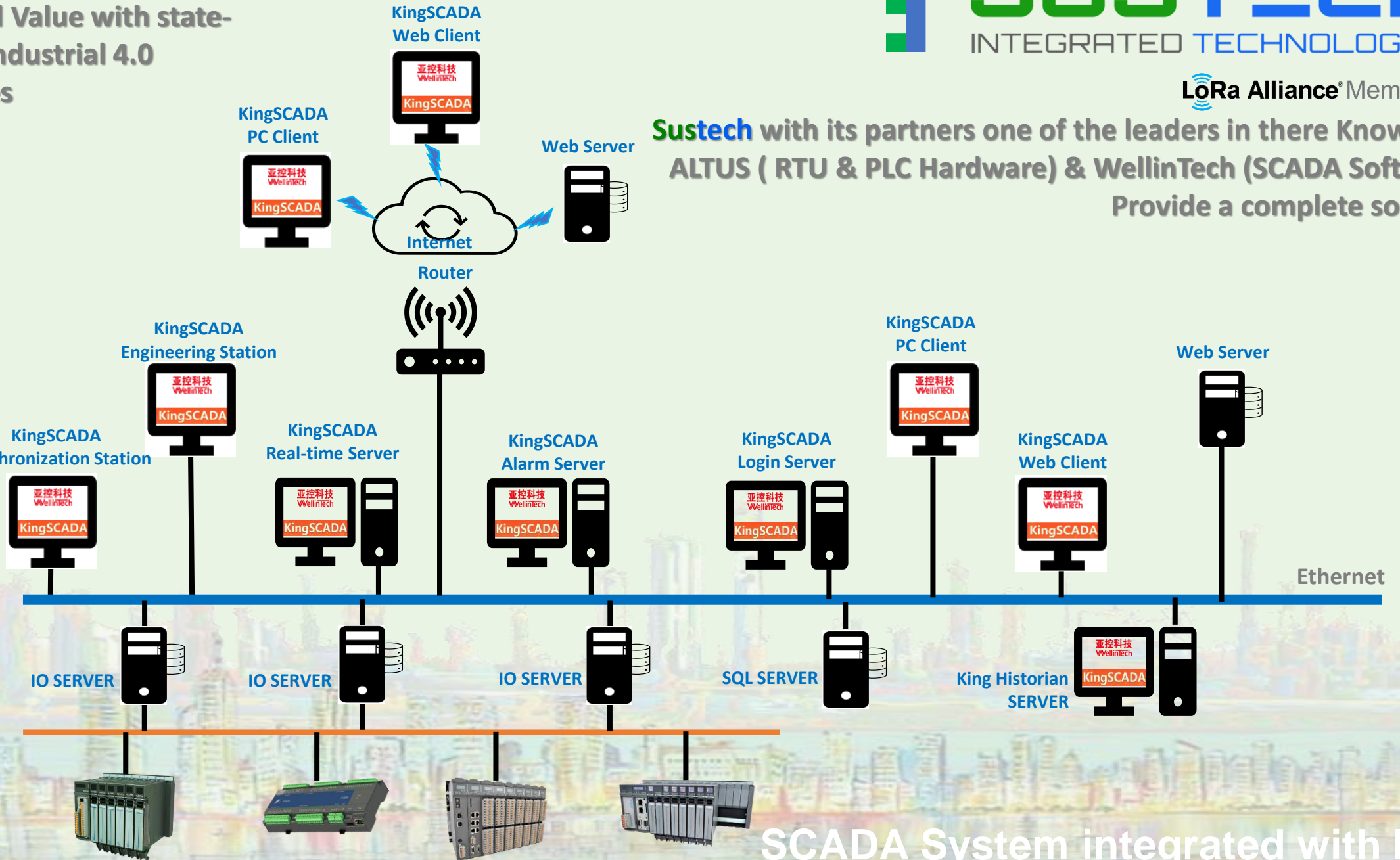
A complete EPC SCADA Projects
Sustech add Value with state-of-the-art Industrial 4.0 technologies



LoRa Alliance® Member

Sustech with its partners one of the leaders in there Know How
ALTUS (RTU & PLC Hardware) & WellinTech (SCADA Software)
Provide a complete solution

亚控科技
WellinTech



SCADA System integrated with IIOT



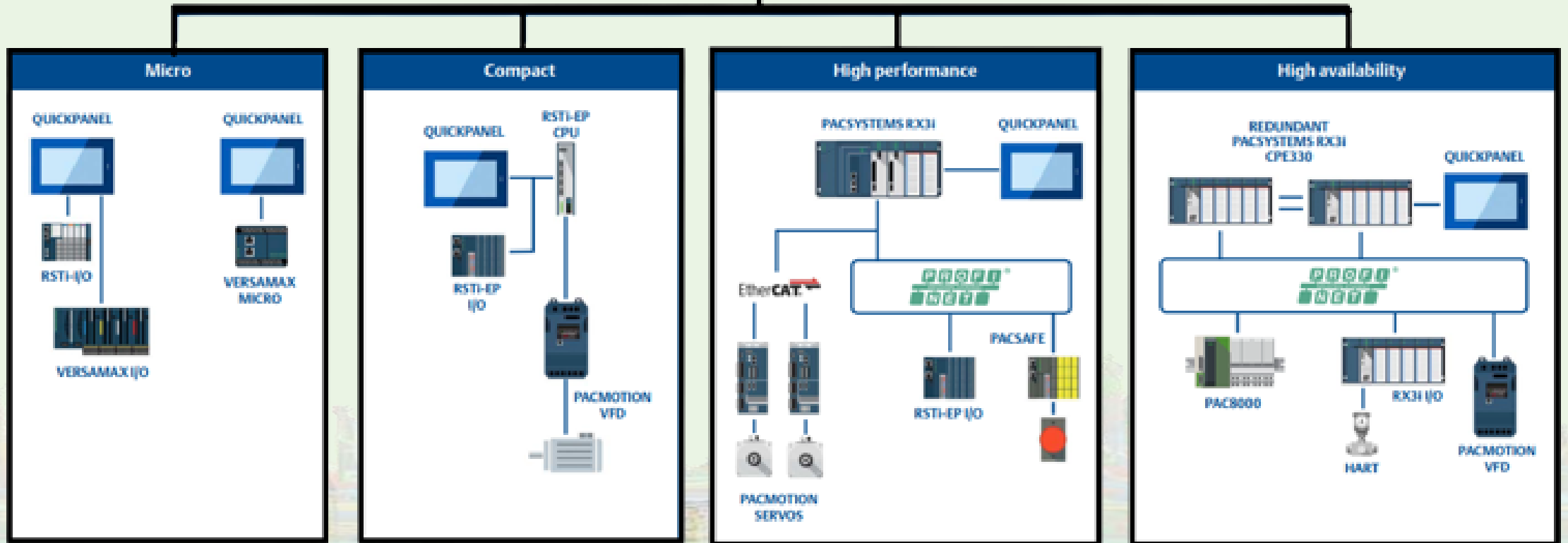
A complete EPC SCADA Projects
Sustech add Value with state-
of-the-art Industrial 4.0
technologies



LoRa Alliance® Member

Sustech with its Partner Emerson one of the
Market Leaders Provides a complete solution

Movicon.next™ SCADA



SCADA System integrated with IIOT



IIOT Devices selection and tailor-made solution based on battery protection, Connectivity & data format

IIOT Devices Connectivity a major factor for high-performance

Data storage & analysis for predictive maintenance, either in clouds or on-premises

Bring Data IIOT Platform and SCADA++ along with digital twin

SUSTECH

- Rich experiences in the two fields IT & OT bring us a step advance in giving value-added services in LoRaWAN technology
- Design reliable system architecture
- Supply and configuration END TO END wireless LoRaWAN system

Autonomies OPERATION

3

- Digital Twin integrates with PCS
- AI & ML integrate into PCS
- Analytics and Control

REMOTE OPERATION CONTROL

2

- Remote monitoring and control
- Agile decision making
- Minimize human involvement

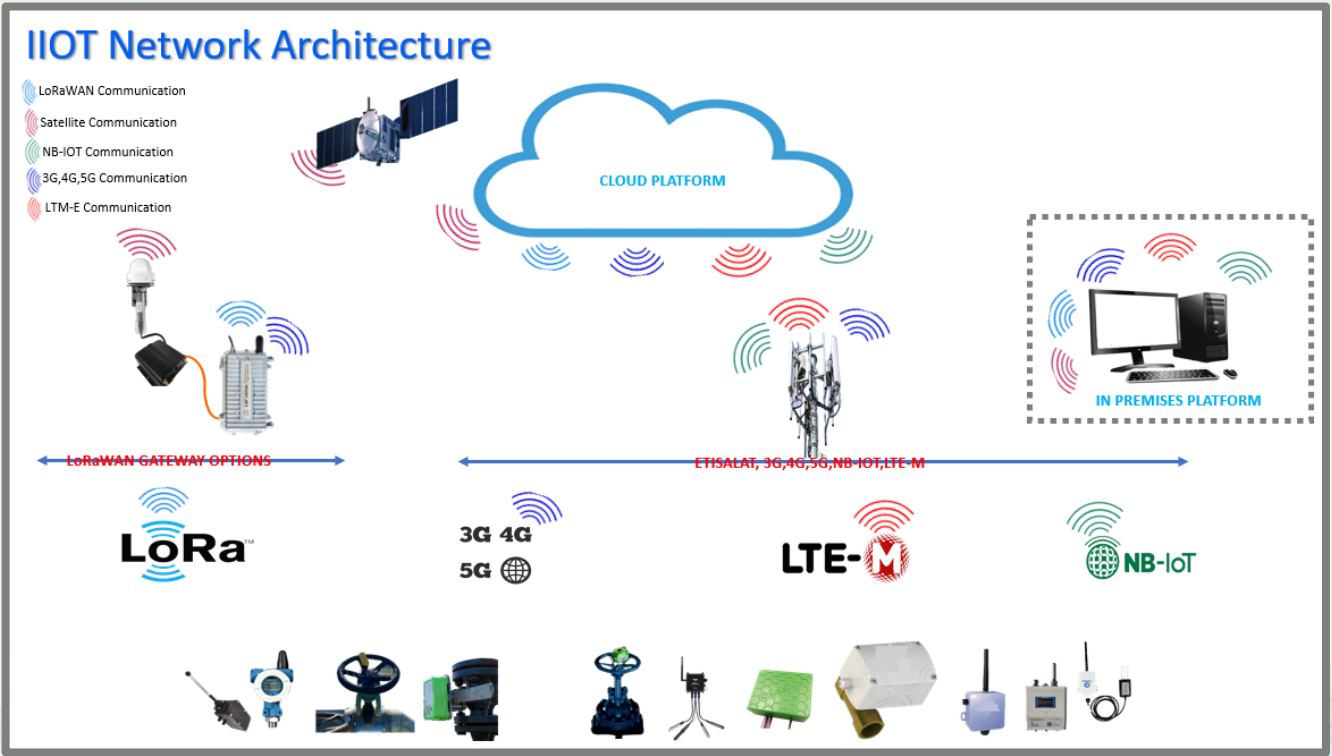
REMOTE OPERATION MONITORING

1

- Fast and Effective Problem-solving
- Fast Design making
- Optimizing and efficient operation



IIOT COMMUNICATIONS TOPOLOGY & PROTOCOL



- LoRaWAN DEVICES
- NB-IOT DEVICES
- 4G, 5G DEVICES
- LTE-M DEVICES
- PLATFORM IN CLOUD
- PLATFORM IN PREMISES
- SCADA WITH MQTT INTERFACE
- CYBERSECURITY

End-To-End LoRaWAN Solution



SUSTECH is a LoRa Alliance Member



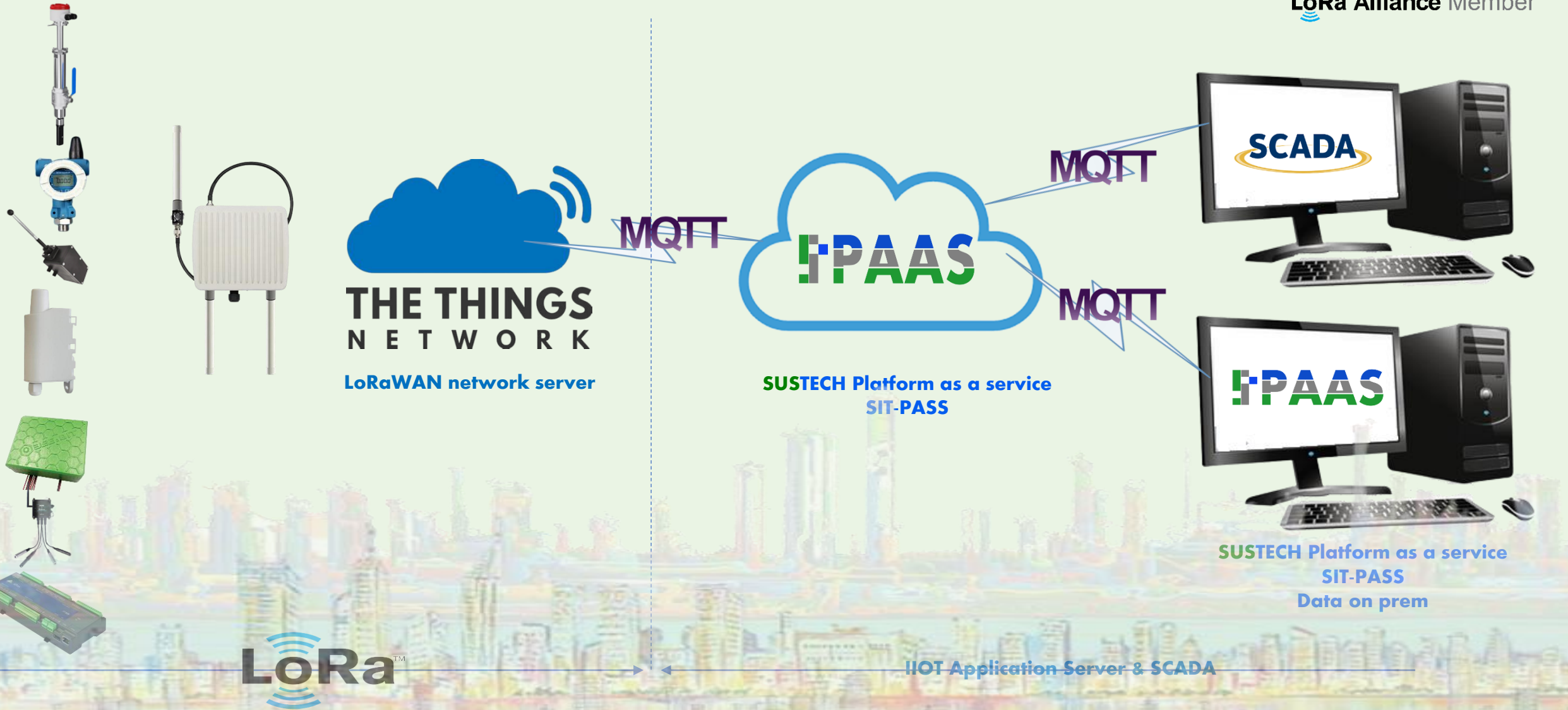
Official Certification of Membership Sustech Integrated Technologies

The LoRa Alliance Inc. hereby certifies Sustech Integrated Technologies is in good standing of Adopter membership for the May 2023 to May 2024 term.

A handwritten signature in blue ink that reads 'D McGinnis'.

Debbie McGinnis
Account Director
LoRa Alliance, Inc.

End-To-End LoRaWAN Solution



Our Services

Consultation

Wireless Network
Design

Signal Strength Survey

Selecting Devices

Solar & Battery sizing
and Panel Design

integration testing

Installation
Configuration

Commission

Design Control System

Programming

Testing

Operation &
Maintenance



REMOTE MONITORING in IOT APPLICATIONS

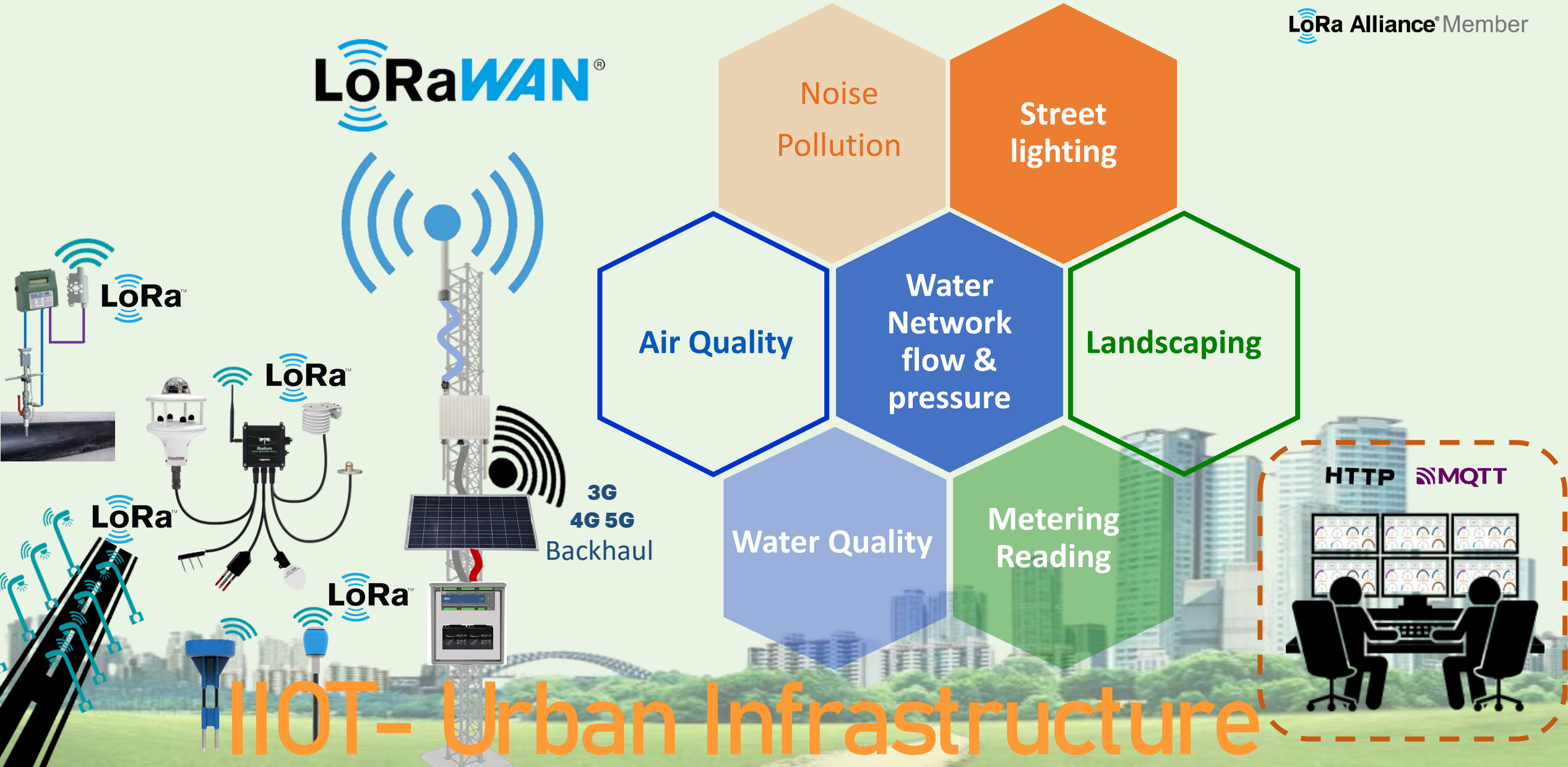


IIoT end-to-end LoRaWAN solution



LoRa Alliance® Member

LoRaWAN®



3G
4G 5G
Backhaul

HTTP MQTT

IIoT- Urban Infrastructure

VIBRATION
MONITORING



VALVE
DIAGNOSTIC
MONITORING



TEMPERATURE
MONITORING



PRESSURE
MONITORING



DATA MANAGEMENT AND REMOTE MONITORING IN HOT APPLICATIONS

Corrosion
MONITORING

VIBRATION
MONITORING

SAFETY VALVES OPEN
INDICATION

PRESSURE REMOTE
MONITORING

JUNCTION BOX
TEMPERATURE &
HUMIDITY
MONITORING

MANUAL VALVES
POSITIONING
MONITORING

TEMPERATURE
MONITORING

FLOW MONITORING

IIoT end-to-end LoRaWAN solution

LoRa corrosion and erosion Monitoring



LoRa™

LoRa Temperature Monitoring



Wellhead Monitoring



LoRa™

LoRa Pressure Monitoring



LoRa™

LoRa™

Partial-stroke test via Modbus / Hart to LoRa



LoRa™ Metering reading via Modbus to LoRa



LoRa Vibration Monitoring

LoRa™



Skid data transfer via Modbus to LoRa



Acoustic Lora devices for leak detection

LoRaWAN™



LoRa™

MOV Via Modbus to Lora

LoRa™



LoRa™

LoRaWAN

LoRa Antenna

Coaxial Cable
1.5 with IP67 rated with Lightning Arrestor

24 VDC for MultiTech gateway



LoRaWAN Gateway with Backhaul
4G/WI-FI, Satellite & Ethernet TCP/IP

Note: Ethernet TCP/IP when the mast same location of CR .

24 VDC Panel w/ 400 W power output

- Panel will be fixed @ the mast at 1.5m Height
- The solar panel will be fixed on the mast @ 2 M Height
- The Gateway will be Fixed @ the Mast on 4.5 m Height
- The LoRa Antenna will be fixed @ the End of the Mast
- This Mast with antina when it is in remote area without power we consider batteries with thermal cooling and heat insulation

Battery Backup Panel with charger and Lora device for battery diagnostic and built in Cooling for internal panel temperature with heat insulation built-in



IIoT - Oil & Gas Applications

Solutions We Provide

Our SCADA & IIOT Partners



Cloud Based Field Monitoring	Digital Twin	(PLC/RTU) with MQTT protocol
Manual Valve Monitoring	Vibration monitoring	Emergency showers monitoring
Pipeline Monitoring System	Trace Heating Monitoring	Tank Level Monitoring
Industrial Communication technology.	Cybersecurity	Video Surveillance



- **Main Office in Masdar – UAE**
- **Abu Dhabi Office - UAE**
- **Backoffice support – Manila**
- **Backoffice support – Jordan**

Abu Dhabi Office | Office 101, gate 3, Rabdan Mall, Abu Dhabi

Masdar Office | Accelerator Building, Masdar, Abu Dhabi

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United Arab Emirates