



SUSTECH

INTEGRATED TECHNOLOGIES

 **LoRa Alliance**® Member

IIOT-Urban Infrastructure Applications

 **LoRaWAN**®

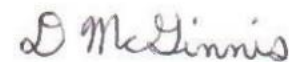
End-To-End LoRaWAN Solution

**SUSTECH is a
LoRa Alliance
Member**

 **LoRa Alliance®**

**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.



Debbie McGinnis
Account Director
LoRa Alliance, Inc.

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

Augusto Hoffmann
Higher Information Marketing Manager

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



Authorization Certificate

This is to certify that
Sustech Integrated Technologies
has been appointed as an authorized
Distributor
and is approved certified partner under the terms and conditions of the Agreement
with a validity of 2022-06-15 to 2025-06-15
to promote and sell Wellintech Products & Services
in GCC countries and Sudan market...



Letter of Authorization

To Whom It May Concern:
The company **Sustech Integrated Technologies**
Global, 3002 Americana Building, Madinet Nasr,
P.O. Box 1225, Abu Dhabi, United Arab Emirates
T: +971 2 626 8774 E: info@sustechme.com

Is a Value Added Reseller and Application Provider Company for our products Adeunis IoT Products & Solutions
Distributor and Associate Partner for Adeunis IoT Products & Solutions Located in 28L,
Khalid Bin Al-Walid Road, 38928 Coorbea Estate,
D.C. Sultan & Philippines
to import directly from Adeunis IoT Products & Solutions in France and sell those
to GCC & Sudan with supporting Services where Applicable.

IoT Products & Solutions and Sustech Integrated Technologies look forward to
sell products, and we fully support Sustech Integrated Technologies products, catalogue,
local support, services after-sale and deliver warranty materials when required.
under warranty for 24 months from delivery.
satisfy and meet your requirements for future relationship.

adeunis
Aduniss
3002 Americana Building,
P.O. Box 1225, Abu Dhabi,
United Arab Emirates
T: +971 2 626 8774
E: info@sustechme.com

The Things Industries
The Things Industries B.V.
The Things Industries B.V.
The Things Industries B.V.
The Things Industries B.V.

certify that
with our permission
SUSTECH INTEGRATED TECHNOLOGIES
Network Software and
Industries Software and



Stream Controls

Commercial Registration: 156198
Tax Card: 602-156-745
Email: info@streamcontrols.com



Manufacturer Authorization Form

Contract No: 02-2023123
4th July, 2023

To whom it may concern,
We, Xiamen Milesight IoT Co., Ltd., are an official manufacturer of Industrial Cellular Routers,
LoRAWAN Gateways & Sensors, etc., with registered address at A991, Floor 3, Zone C,
Innovation Building, Xiamen Software Park, Xiamen Torch Development Zone for High
Technology Industries.

Authorized Provider

Integrated Technologies (located at Rabban Mall, Entrance No. 3,
/UAE) as a certified partner of Xiamen Milesight IoT Co., Ltd. to
import Arab Emirates Urban Projects
from July 4 to 2023 July 4
for devices and Gateway technologies

has met the necessary
solution provider for our
the period from 2022 to

General Manager
Yman Mohamed



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.



Industrial
Automation & Control
System Integrator

Jeff Householder
President
Machine Automation Solutions
Emerson

David Kraft
Vice President, Sales
Machine Automation Solutions
Emerson

ISSUE DATE: 12 SEP 2023
AGREEMENT NUMBER: 16306
EXPIRATION DATE: 10 SEP 2024
CUSTOMER SERVICE NUMBER: 69846



Object: A VAR Solution Provider

- B METERS S.R.L., having factories in Via Friuli 3, Gona
- SUSTECH Integrated Technologies is a certified solution
- SUSTECH Integrated Technologies is an organization
- SUSTECH Integrated Technologies is one of the most
- B-Meter provides an intelligent wireless meter and is
- Any necessary spare parts (if required) and after-sale



Letter of Authorization

To Whom It May Concern:
The company **SUSTECH INTEGRATED TECHNOLOGIES**
P.O. Box 7123, Abu Dhabi, UAE
T: +971 2 626 8774
E-Mail: info@sustechme.com

Is Value added reseller and solution provider for HAUK & SASKO the
developer of MBS application
For the territory of United Arab Emirates
SUSTECH as IOT solution Provider is entitled to configuration integration
installation and commissioning complete system directly from HAUK &
SASKO / Germany and sell those products into the territory of UAE.

Together HAUK & SASKO and SUSTECH Integrated Technologies look
forward to serving all of HAUK & SASKO product needs, and HAUK & SASKO
fully support SUSTECH Integrated Technologies in products, technical
support, and sale services if any, and deliver warranty materials when
required.

Hopefully, this will satisfy and meet your requirements for a future relationship.
Signature & stamp

David Sasko
Managing Director



Signature & stamp
Imad Hassan
Sales & Business Development
Director

Imad Hassan
Sales & Business Development
Director



VAR Certificates

Why do you have to Get Started with LoRaWAN.

No need for a frequency license

LoRaWAN operates on a free public spectrum, available for anyone to use, LoRaWAN networks are deployed on free ISM bands (EU868) in UAE & GCC Countries allowing any service provider or enterprise to deploy and operate LoRaWAN networks without a frequency license.

Wide Coverage Range

Using CSS and ADR, LoRaWAN can communicate with a gateway up to 15 km away in unobstructed open areas or up to 5 km away in urban areas. This means that a single gateway can cover all devices in an area of approximately 700 square kilometers.

Low Power Consumption

Compared to 4G, LoRaWAN boasts ultra-low power consumption, whereas 4G lacks low power features. In outdoor settings such as agriculture and forestry, 4G cannot be battery-powered like LoRaWAN.

Low Cost

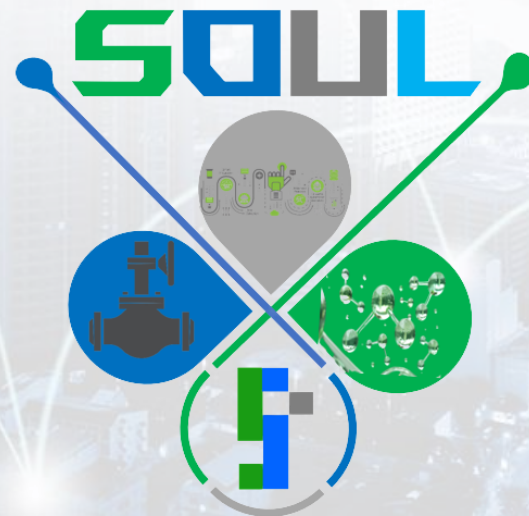
In LoRaWAN, the devices that are usually in greater quantity are the gateways and terminals. Since the gateway only serves as a data forwarder, its price is relatively cost-effective.

Strong Penetration Capability

LoRa wireless modulation technology can penetrate indoor depths, with the ability to reach underground water and gas meter sensors.

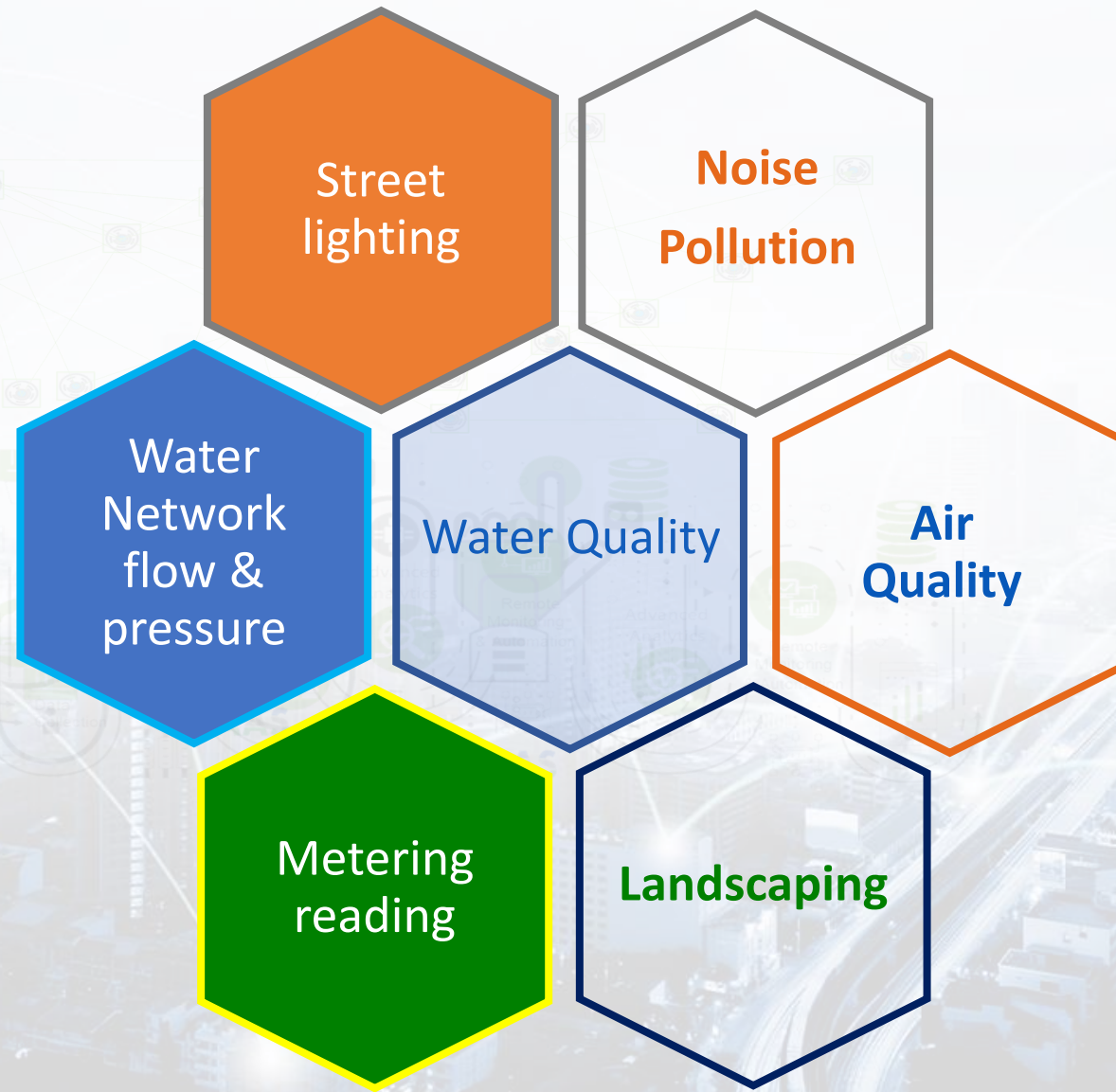
SUSTECH ... *have the...*

SMARTER OPERATION UTILIZING LORAWAN





- Smarter landscaping and irrigation
- Smarter water network monitoring
- Smarter water quality
- Smarter air quality
- Smarter metering with Billing System
- Smarter street lighting



Smart Street Lighting



LoRaWAN
Gateway with
4G Backhaul



LoRaWAN



Individual light metering



Dead lamp alert



Light scheduling & control



Anti-Theft protection

Smart Air and Noise Quality Monitoring



LoRaWAN Gateway with 4G Backhaul



LoRaWAN

LoRa



Noise Dust H2S CO2



Smart Monitoring The Water Quality

SUSTECH
...have the...
SOUL




LoRaWAN



water quality



Conductivity DO



ORP PH



LoRaWAN Gateway with 4G Backhaul



LoRaWAN

LoRa



Smart Water Distribution Monitor Pressure & Flow



LoRaWAN Gateway with 4G Backhaul



LoRaWAN



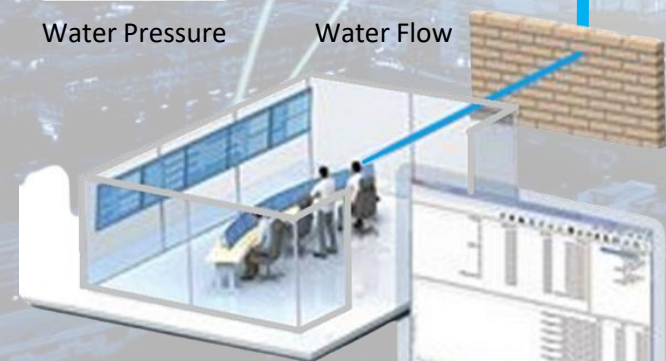
LoRa



Water Pressure

Water Flow

- Water pipe pressure
- Low alarm pressure
- High alarm Pressure
- Water pipe Flow
- Low alarm flow
- High alarm flow
- Remote panel power status
- Battery status low charge alarm
- Solar power charging
- Panel internal temperature



END-TO-END Smart Metering Solutions



SUSTECH design configuration END TO END metering system from supplying different types of meters (water, BTU, Gas & Electric) to configuration based on LoRaWAN Technology to billing system

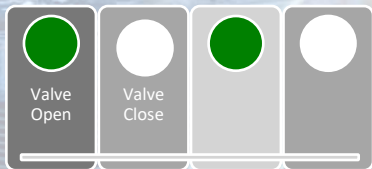
SUSTECH has tied with well-recognized metering companies as well as experience billing software MBS.

SUSTECH experience in LoRaWAN connectivity gives added Value to our clients

- Smart Metering Solutions for Water, Gas, electric and Cooling.
- Intelligent Billing Solutions
- IIoT LoRaWAN Connectivity Infrastructure



Smart Landscaping Monitoring & control



LoRaWAN Gateway with 4G Backhaul



LoRaWAN

Wireless Solenoid Valve Controller (Single double, four SV and more)

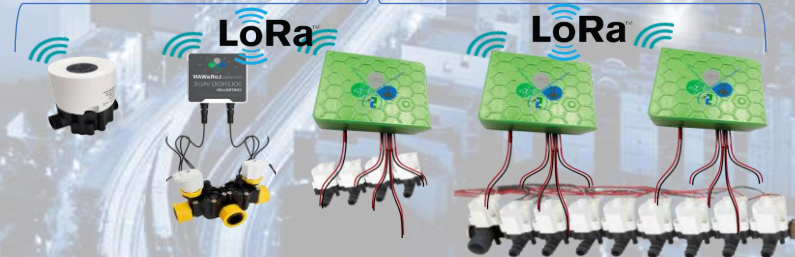
Weather station



LoRa Soil Moisture



LoRa



Smart Urban System Architecture

LoRaWAN®

Street Lighting



Weather & Water quality



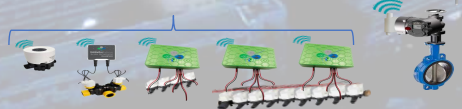
Flow & Pressure Water network monitoring



Smart AMR



Smart Irrigation Controller



LoRa™

LoRa™

LoRa™

LoRa™

LoRa™

LoRa™



Gateway with Built-in LNS with MQTT Client

MQTT

Static IP address



- **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