



One stop solution partner on

# Smart Energy & IoT Automation

for your day to day life...

**By**

**Rtn.Er. Sahul Ameen Musthafa**



## Rtn.Er.Sahul Ameen Musthafa- Founder & CEO



- Diploma/Bachelors of ECE – Tech-Savvy since childhood with more of a practical product experience and keen to address the general public and society problems and enhance the lifestyle of the living society with the engineering concepts.

- Member of CAUSS (Coimbatore Association of UPS, Stabilizers and Solar) Consortium
- Member of TETA (Tamilnadu Electronic Technician Association)
- Member of RMB Coimbatore Chapter (Rotary Means Business)
- Member of BELDEX (Crypto Currency & Block chain Technology)
- Member of Rotary Club (Rotary Club of Coimbatore Unicorns)
- Done lot of Technology – Projects via PSG STEP & DCS (Design Clinic Scheme) for MSMEs:

Title1- Industrial Energy Monitoring and Controlling Systems -2016

Title2-Kitchen Automation Systems -2018

Title3-Low Power Appliances and Energy Storage Systems-2023



- Established in 2006, ~ 17 year
- Focused on 2.1 & 5.1 Audio Peripherals Design & Manufacturing And Home Theater Product and Customized solutions.



- Established in 2009, ~ 14 year
- An ISO 9001:2015 Certified
- Focused on Smart Home Automation Products for Standard & Customized solutions of all type of Customer needs to enhance the lifestyle of the people of the Society.



- Established in 2013, ~ 10 year
- Focused on Water Level Automation Products for Standard & Customized solutions.



- Established in 2017, ~ 6 year
- An ISO 9001:2015 Certified
- Focused on Renewable & Conventional Energy Efficient Products for Standard and Customized solutions.



# Agenda



SOLAR ENERGY  
EFFICIENT PRODUCTS



SMART AUTOMATION  
PRODUCTS



SPECIAL PROJECTS



AMC SERVICES



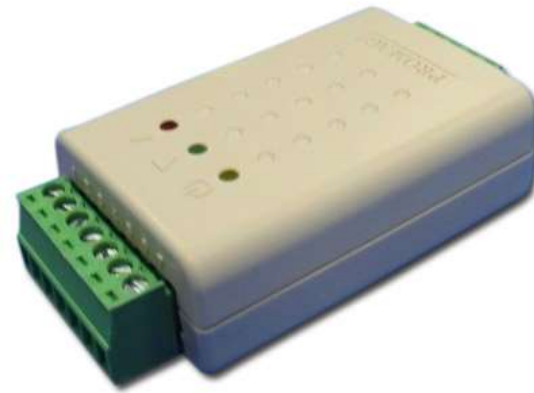
# SMART AUTOMATION PRODUCTS



## WIRELESS WATER LEVEL MANAGEMENT SYSTEMS



# SMART AUTOMATION PRODUCTS



## WIRELESS LIGHTING MANAGEMENT SYSTEMS



# SMART AUTOMATION PRODUCTS



DAY & NIGHT LIGHT SENSORS  
WITH TIMERS

30% TO 50% ENERGY  
SAVING



WIRELESS LIGHT SENSORS - IOT



# SMART AUTOMATION PRODUCTS



UNIVERSAL REMOTE  
CONTROLLER

WIRELESS SWITCHES WITH IOT





# SOLAR ENERGY EFFICIENT PRODUCTS

SOLAR DC APPLIANCES  
5W-1550W

40% TO 50% ENERGY  
SAVING



ENERGY STORAGE SYSTEMS  
/ PORTABLE POWER BANK  
100W-5000W

# SOLAR ENERGY EFFICIENT PRODUCTS

SOLAR BLDC PUMP SYSTEMS  
1HP TO 10HP

1KW SPS – 4.5 UNITS/DAY  
12000LPD



SOLAR STREET LIGHTS WITH  
CAMERA 15W-50W

20W SSL – 0.3UNITS/DAY  
12HRS

# SOLAR ENERGY EFFICIENT PRODUCTS

SOLAR WATER HEATER SYSTEMS  
100LPD-500LPD

ELE.HEATER – 2.5 UNITS/DAY  
75 UNITS/MONTH  
900 UNITS/YEAR



SOLAR RETROFIT SYSTEMS  
EXISTING UPS  
1KVA TO 5KVA



1KW SRD – 4.5 UNITS/DAY  
135 UNITS/MONTH  
1620 UNITS/YEAR

# SOLAR ENERGY EFFICIENT PRODUCTS

SOLAR POWER PROJECTS  
3.3KW-100KW

3KW SOG – 15 UNITS/DAY  
450 UNITS/MONTH  
5400 UNITS/YEAR



SOLAR UPS SYSTEMS  
1KVA-10KVA

# Special Projects - Smart Automation

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Customised Energy Management for lighting controls using Rf remote in ZF wind power

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Sensor based light controls at Factory indoor and outdoor in Saint Gobin, RE, Ola Industries

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Multi level Valve Activation and water level control in Nithya Enclave and Mayflower

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Remote based motor and light control at Emerald, Roots and Texmo Industries

# Special Projects – Solar Energy Efficient Products

- Installed 10 KW On grid Power Plant , energy is utilized ,exported and used for their pump testing using phase optimizer in **JJ PUMPS**.
- Installed 25 KW On Grid Power Plant for Irrigation needs in **NLC**, and Exported the excess power that is not used for Irrigation.
- **Wipro R&D** Ware house has 1.5 KW Hybrid Power Plant, whereas both conventional electrical appliances (using inverter) and DC appliances are used.
- In **Theni Farm House**, 5 KW Power plant used for existing agri Pump(AC) and using Jumbo Power Storage System, entire farm house is been powered with DC appliances.



[illegible]



# AMC for Solar Energy Efficient Products



- 5 KW Powerplant
- Installed before 2 Years
- 15% Loss before Maintenance
- After Cleaning and Checking Maintenance achieved 13% increase
- Parameters checking to ensure safety and product life span





# AMC for Water & Lights Automation Products



- Maintenance of Water Floats
- Indicator Lights and on / off
- Wiring wear & tears
- Ensuring continuous working of the product
- Cleaning of our Modules from Dust and Insects

# Our Sales Office & Warehouse



# Our Sales Office & Warehouse



# Our Team



# Our Valuable Customers





# Channel Partners & Distributors



# Our Goal 2030

- Water Saving – 50000 m<sup>3</sup>
- Energy Saving – 50 MW
- 100 Cr Turnover Company





# Thank You

## **SAM TEKNIKZ GROUP**

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