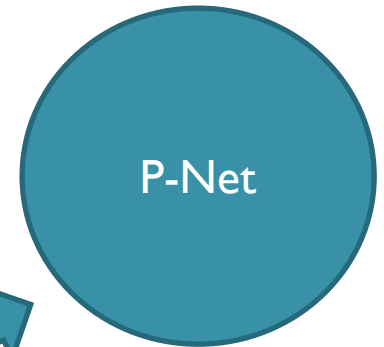


# AMIS wireless concept

- ❑ An emerging Make in India company having technical expertise of 30 man years experience
- ❑ Dedicate product development on Wireless / IoT / WiOT concepts
- ❑ Introduced the following products
  - ❑ 121 Analyzers
  - ❑ IoT products
  - ❑ WioT concepts
  - ❑ WiNet

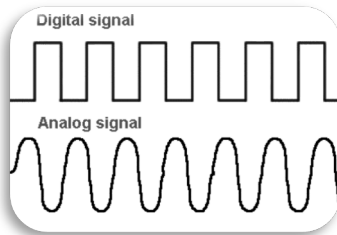
# Development of I2I Wireless Bidirectional Transponder

LoRa





## Signal which can be transferred with I2I



4-20 mA  
0-10 v  
24vdc digital IN and OUT  
230vac IN and OUT



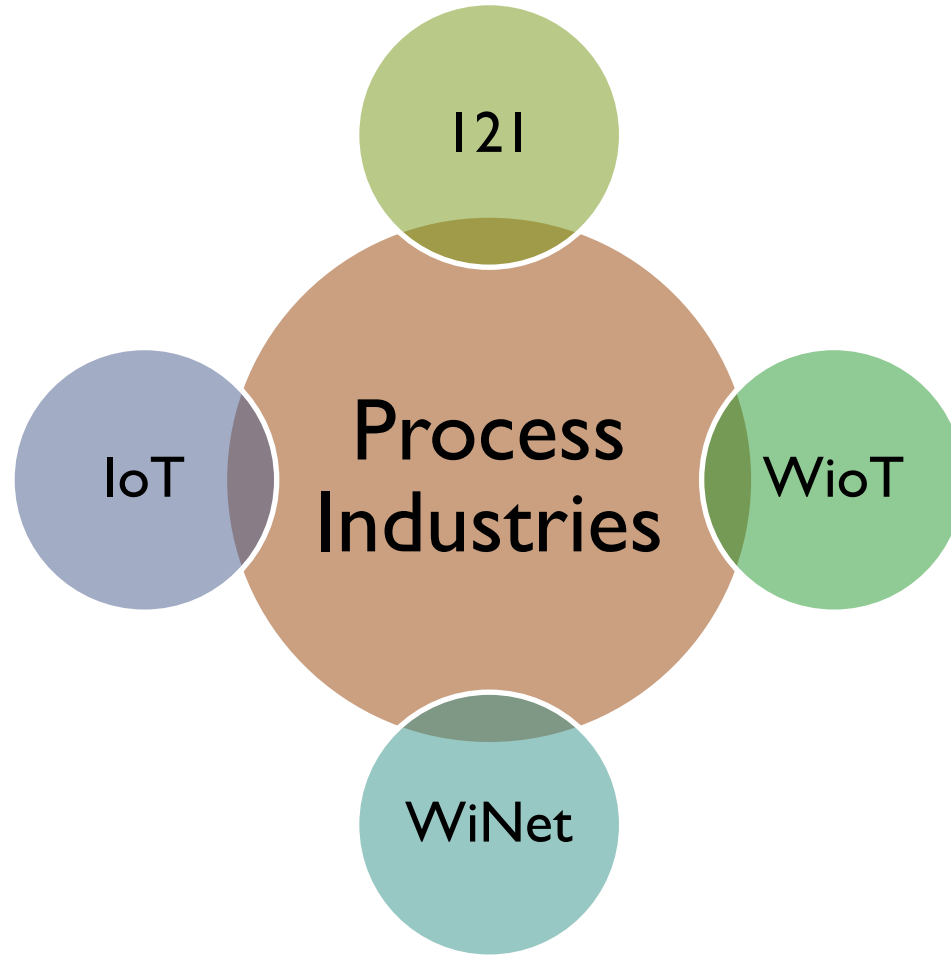
RS-485 **DEF1** Custom specific  
Produce/Consume  
**Modbus RTU**  
ASCII Request/Response  
RS-232

**PROFI<sup>®</sup> BUS** **PROFI<sup>®</sup> NET**  
**CANopen**

**HART**   
COMMUNICATION PROTOCOL



# Products serving all type of process industries







**121**  
BIDIRECTIONAL



**amis**

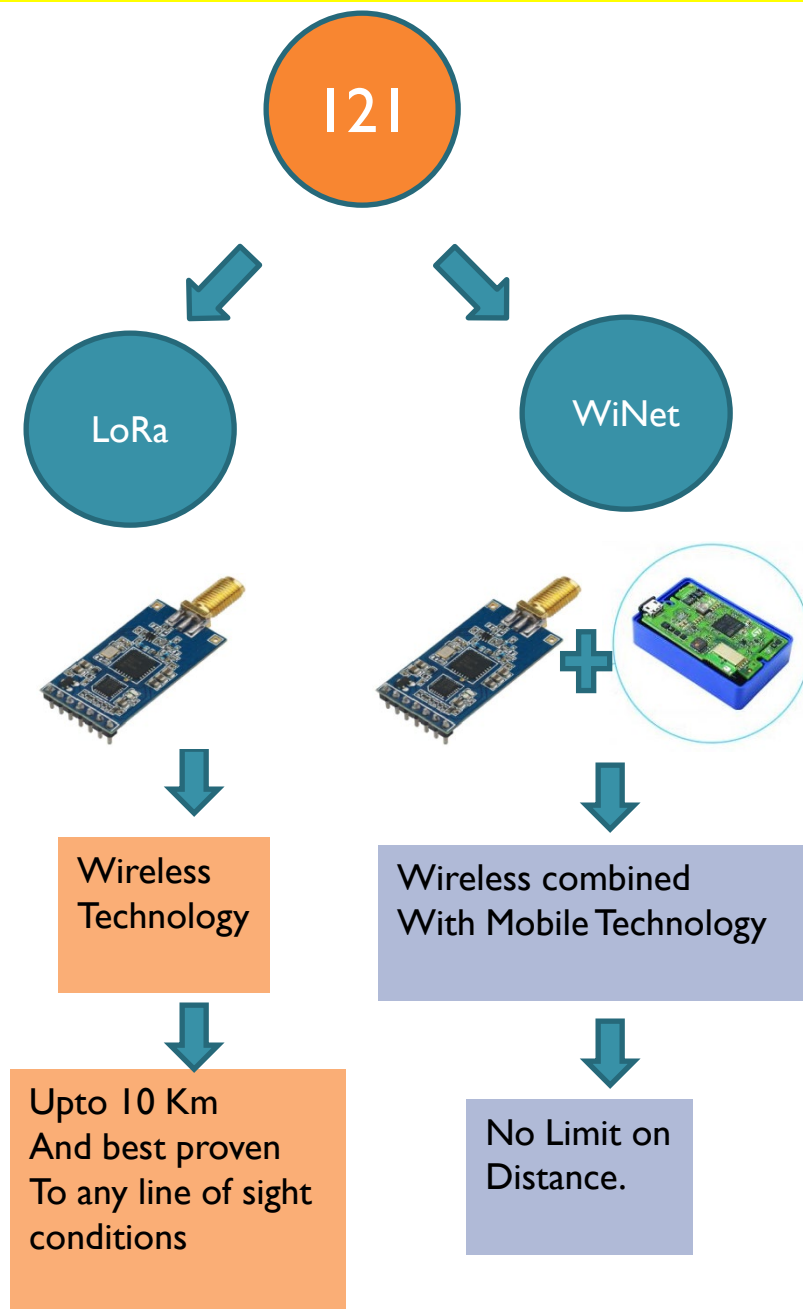
Wireless Solutions

- > AirVib Technology
- > Long Range 10kms and beyond
- > Bi-Directional transceiver system
- > Compatible to all IO interfaces



**Benefits:**

- > No signal wiring thus reduce cabling and maintenance cost
- > Reducing inventory on spares and field work
- > Making Intelligent existing devices
- > Quick Access to controls





## Features:

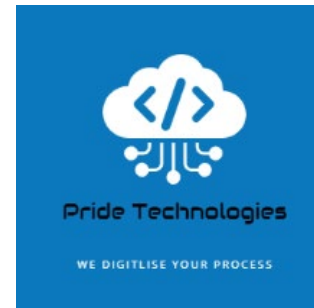
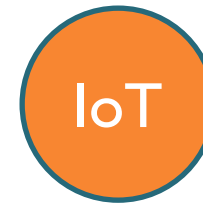
- All type of signal transfer such as Analog , Digital , MODBUS ,TCP/IP....etc
- LoRa and WiNet can be selected based on distance data transfer.
- Bidirectional
- Customs built channel inputs.



# amis



## Cloud based Data Analysis and reporting





## Features:

- Remote Process Monitoring
- Instant alert info's
- Statistical reporting
- Secured Data storage with fool-proof access



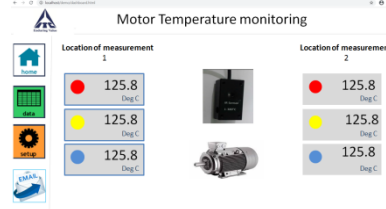
# Option 2 – Mobile App and auto reporting



**Receiver**

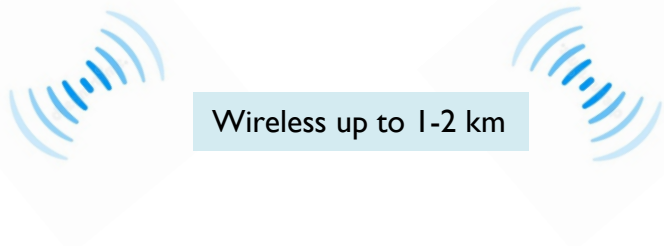


# Technical Schematic



# Option 1 – Server and PC

**Location 1**



Wireless up to 1-2 km

**Location 2**



**IR Sensor 1**



Wired

**IR Sensor 6**



**IR Sensor 7**



Wired

**IR Sensor 13**



**Machines 1 -8**



**Machines 9-16**



Device-1

Device-2

Device-3



Home

Stations

Data

Setup

Email

1  
0.03  
mm/sec

2  
0.06  
mm/sec

3  
0.02  
mm/sec

4  
0.03  
mm/sec

5  
0  
mm/sec

6  
0.02  
mm/sec

7  
0.04  
mm/sec

8  
0.04  
mm/sec

9  
0.02  
mm/sec

10  
0.02  
mm/sec

11  
0  
mm/sec

12  
0.02  
mm/sec

13  
0  
mm/sec

14  
0  
mm/sec

15  
0  
mm/sec

16  
0  
mm/sec

Last Updated Time : 2020-08-02 09:52:10

# IoT Vibration Data Management Server SW

## VIBRATION DATA MANAGEMENT SYSTEM

09:56:09 02/08/2020

Device-1

Device-2

Device-3



- Home
- Stations
- Data
- Setup
- Email

	Date	Time	Channel-1	Channel-2	Channel-3	Channel-4	Channel-5
▶	2020-08-02	09:48:59	0.03	0.06	0.01	0.03	0
	2020-08-02	09:50:00	0.03	0.06	0.02	0.03	0
	2020-08-02	09:51:15	0.03	0.05	0.02	0.03	0
	2020-08-02	09:52:10	0.03	0.06	0.02	0.03	0
	2020-08-02	09:53:10	0.03	0.06	0.01	0.03	0
	2020-08-02	09:54:15	0.03	0.06	0.01	0.03	0
	2020-08-02	09:55:15	0.03	0.06	0.02	0.03	0
*							

FROM DATE 2020-08-02 09:55:12

TO DATE 2020-08-02 09:55:12

SHOW

EXCEL

PDF



**Thank you**