

EFFICIENT SOLUTIONS FOR **WIRELESS AUTOMATION**

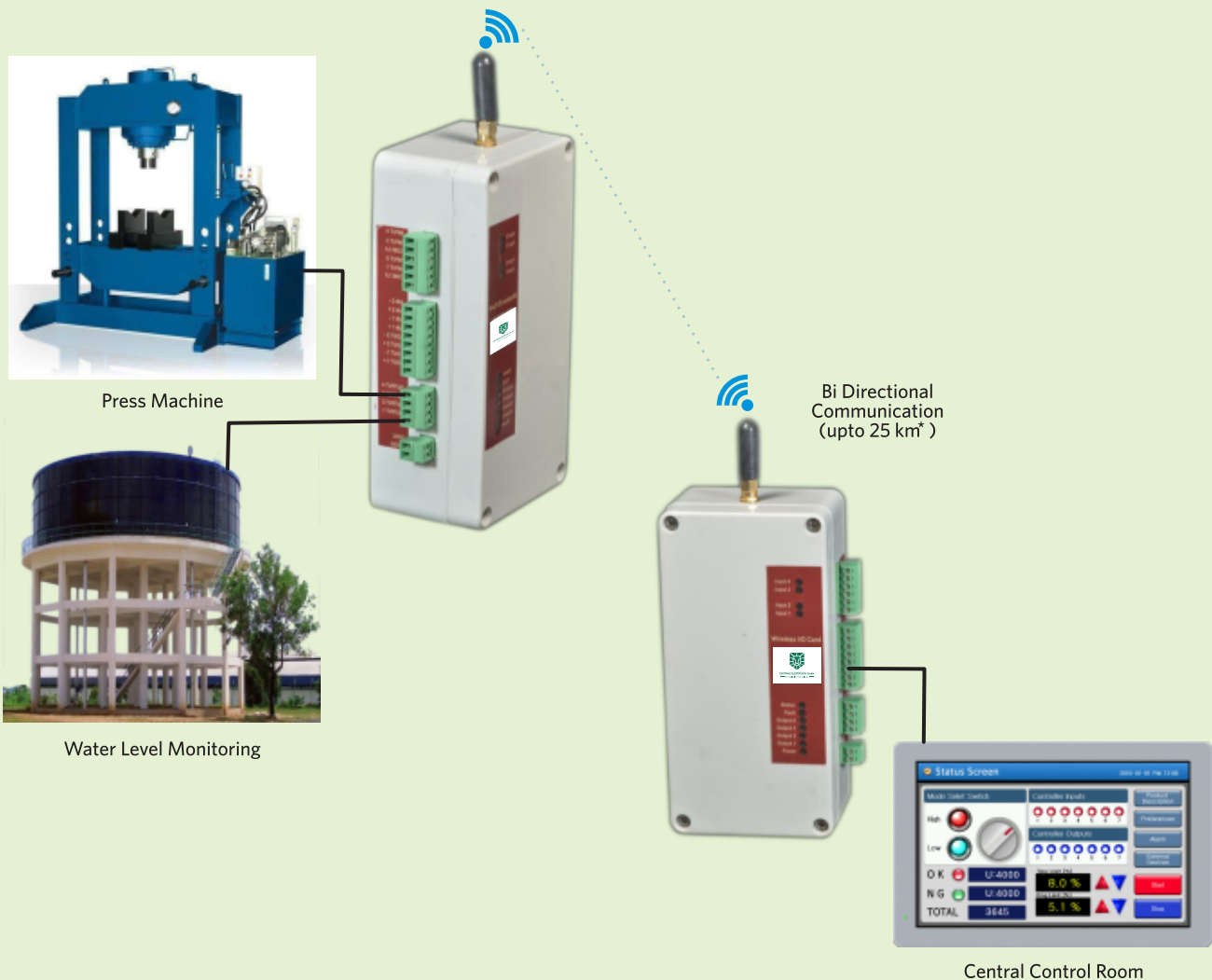


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World of wireless possibilities...
Wireless solution! for wired problem...

WIRELESS ANADIGI I/O CARD

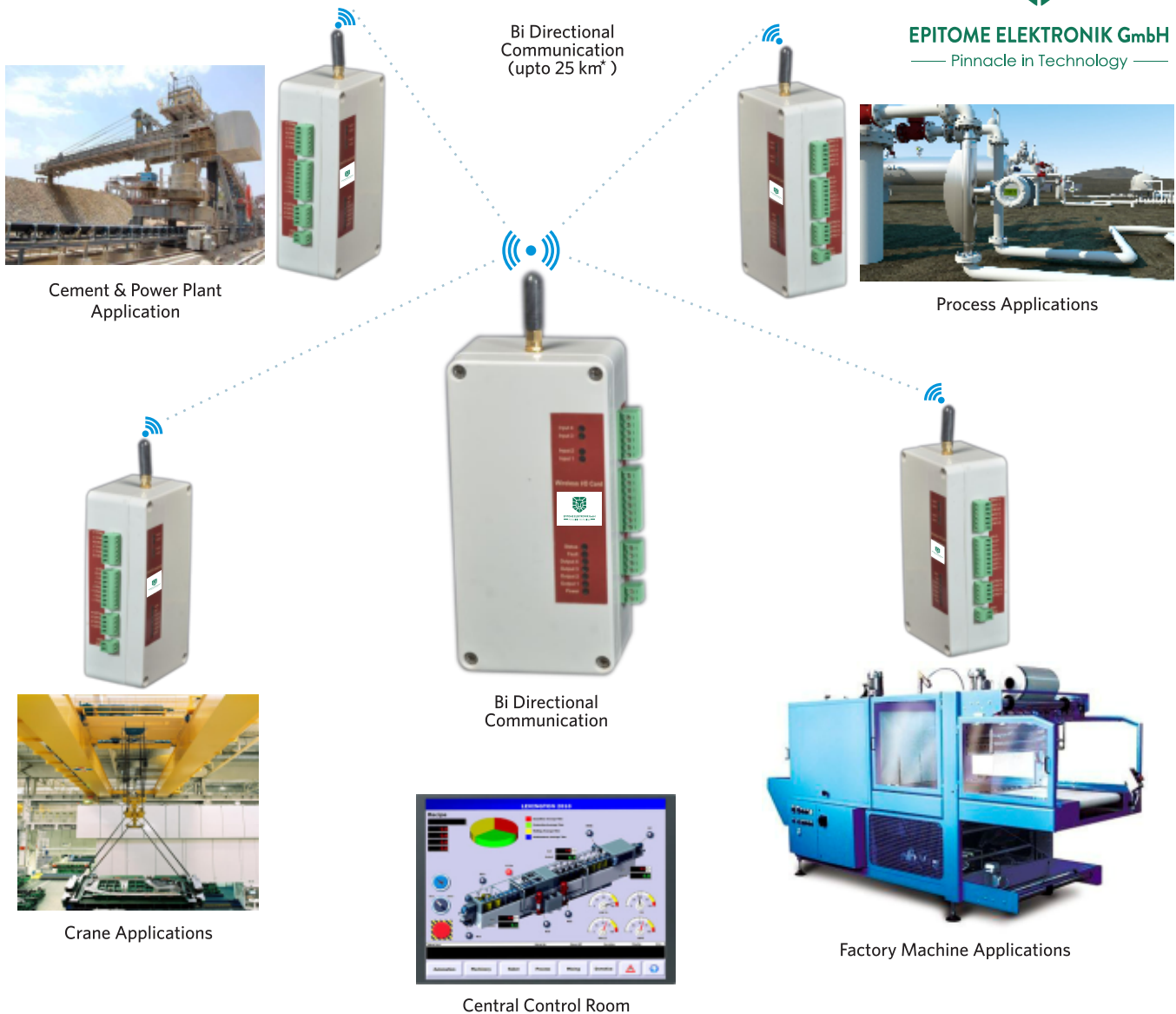


POINT TO POINT COMMUNICATION

- 1) Works in license free band 865 – 867 MHZ OR 433 - 435 MHZ as allowed in specific country.
- 2) 16 pairs of "one to one" can communicate.
- 3) 4 DI & 4 DO Bidirectional communication with selectable PNP/NPN.
- 4) 2 AI & 2 AO for analog value transfer eg. Level, Temperature (RTD / Thermocouple), etc.
- 5) Radio Frequency based spread spectrum Best suited for noisy Atmosphere.
- 6) Auto Frequency correction so as "0" loss* in Data.
- 7) Distance upto 25 Km*.
- 8) Output to default mode if RF link fails. Fully protected.
- 9) Optional Battery Operation.
- 10) IP54 housing.



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POINT TO MULTIPOINT COMMUNICATION (STAR TOPOLOGY)

- 1) Works in license free band 865 – 867 MHZ OR 433 - 435 MHZ as allowed in specific country.
- 2) 32 slaves can communicate with one master.
- 3) Master to PLC communication by MODBUS over ETHERNET Switch.
- 4) 2 AI & 2 AO for analog value transfer eg. Level, Temperature (RTD / Thermocouple), etc.
- 5) 4 DI & 4 DO Bidirectional communication with selectable PNP/NPN.
- 6) Radio Frequency based spread spectrum Best suited for noisy Atmosphere.
- 7) Auto Frequency correction so as "0" loss* in Data.
- 8) Distance upto 25 Km*.
- 9) Output to default mode if RF link fails. Fully protected.
- 10) Optional Battery Operation.
- 11) IP54 housing.

WIRELESS ANADIGI I/O CARD

Sr.No.	Item	Technical Specification	Other Features
1.	Configuration	'One to one' or Star Network	Star Network with MODBUS RTU
2.	Number of units	16 pairs in 'one to one' or 32 in star	In an Area of 500 meter
3.	Digital Inputs	24 Volts DC 4 Input,	PNP/NPN Selectable
4.	Digital Output	24 Volts DC 4 Output	1 Amp, Short Circuit protected
5.	Analog Input	0-10 V / 4 - 20mA, 2 input	Input Impedance 10K
6.	Analog Output	0-10 V / 4 - 20mA, 2 Output	Output Impedance 100 ohm
7.	Communication	Wireless at 866-867Mhz	Auto Frequency correction
8.	RF Channels	8 Channels	Spread over 866-867 MHZ
9.	Modulation	Spread Spectrum	Best suited for noisy enviroirment
10.	Power Ouput	100 mw, 20dBm	Optional 500 mw, 27 dBm
11.	Wireless Range	500 meters Line of sight	Optional 2000 meters, Line of sight
12.	Output protection	Output auto off, is RF link fails	The time is 5 seconds
13.	Antenna Type	External with SMA Female connector	Extended range with proper antenna
14.	Indications	Input, Output, Power, Communication	
15.	Input Supply	24 Volts DC +/-20%	Optional Battery Operation
16.	Input Current	130 ma + Actual Output current	All outputs are off
17.	Connections	0.2 - 2.5 Sq mm screw, Plug header	Separate for Input / output / Analog / Digital
18.	Housing	Poly Carbonate Box	IP 54
19.	Dimension	80mm x 160 mm x 55 mm	



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