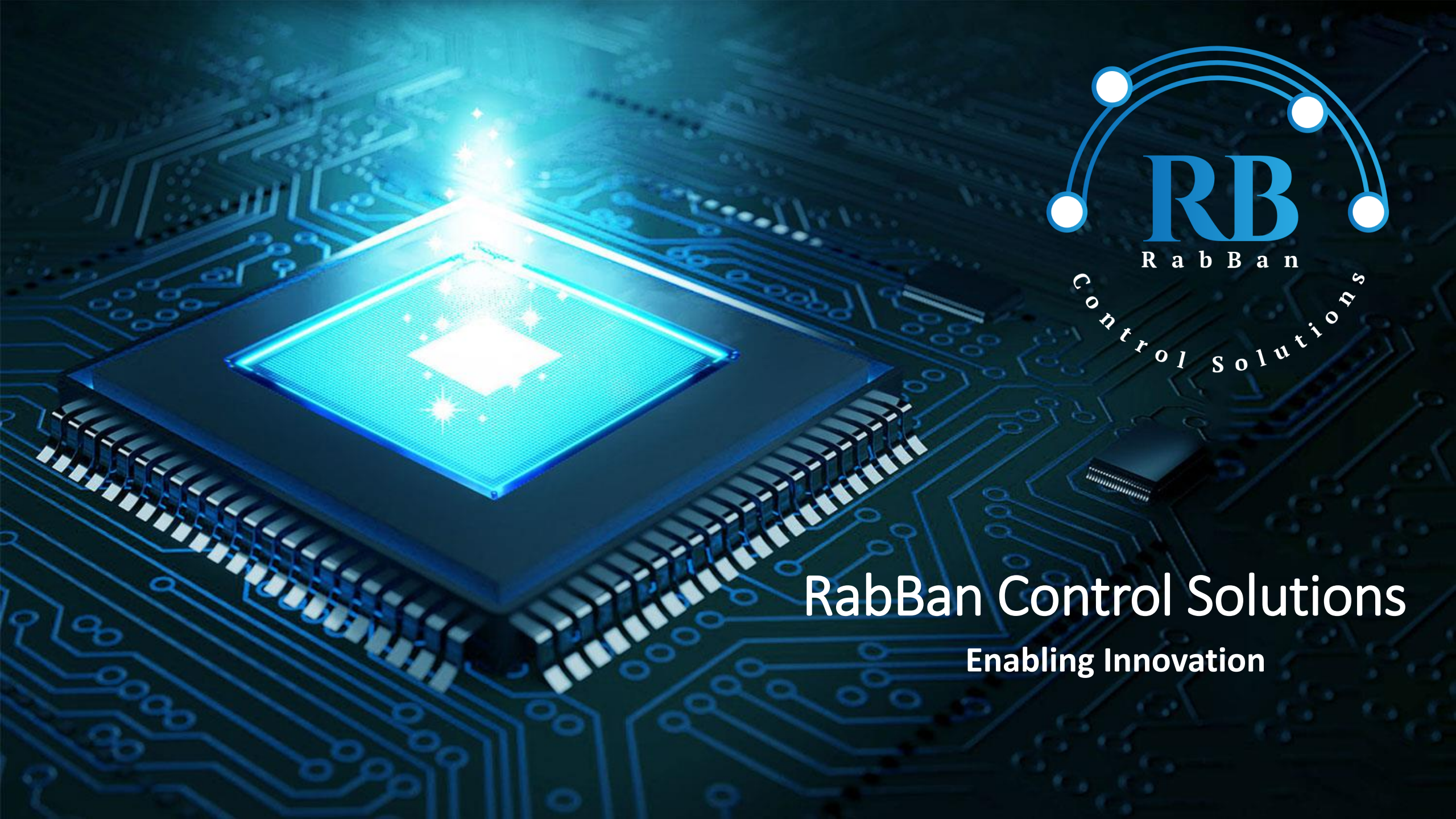


RabBan Control Solutions

Enabling Innovation

ABOUT US

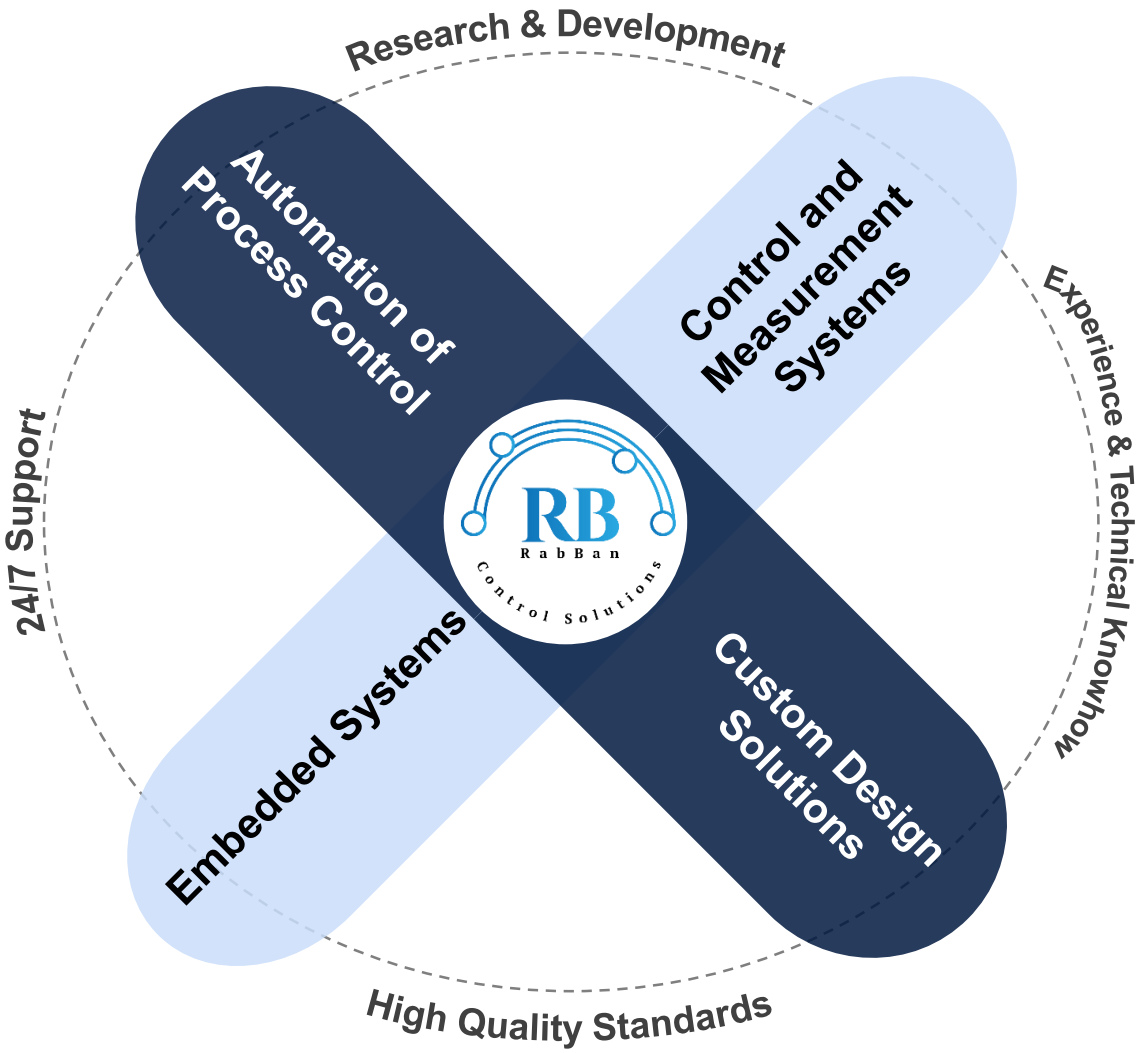
Empower with Innovative disruptive digital solutions

VISION

Grow as a Technology Partner for MSME's and empower them to compete in global market.

MISSION

Achieve excellence in creating custom, configurable, modular, IoT enabled solutions for process control and measurements.



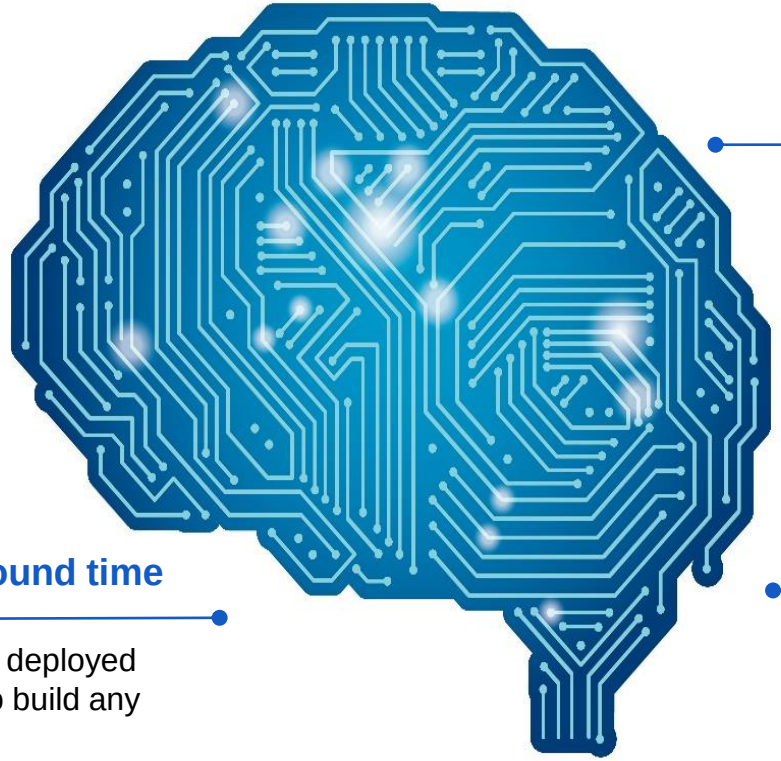
Why RabBan?

Strategic Challenges	MSME Industry Issues	Why RabBan?
Investment Risk	Difficult to find partners who are ready to share risks of new business ventures.	We share risks of new business ventures with our customers through collaborative development.
Customization	Lack of customized systems leads to non-optimal solutions.	We provide tailor-made solutions at optimal costs to match our customer's needs.
Time to Market	Time to market is high - Innovative products take long time for implementation	We have taken up the challenge to provide innovative solutions with shortest time to market.
Talent Management	Essentials to develop complex systems like talent acquisition, training and retention is difficult and expensive	Our team has wide experience of 40+ man-years in research and development of electronics systems.
Managing Unknowns	Developing integrated systems has many unknown unknowns. Cost estimation is unpredictable due to changing scope.	Our team has expertise in bringing systems from idea to market. We Support projects throughout the product life cycle

Our Capabilities

Innovative Product Designs

- Programmable Automated Process Control System.
- Complete IoT solutions
- Ready to use systems for precise Test and measurements.
- End-to-end product development.



Our People

- Four decades of experience in delivering World class Control and Data Acquisition Systems.
- Experienced in FPGA and Embedded Solutions.
- Experience in board design and bring-up.

High Quality and Quick Turnaround time

We have readily available tested and deployed modules which can be put together to build any custom solutions

Support and Service

We provide 24/7 support and service including installation on premises. We are dedicated towards customer satisfaction and provide value to customers

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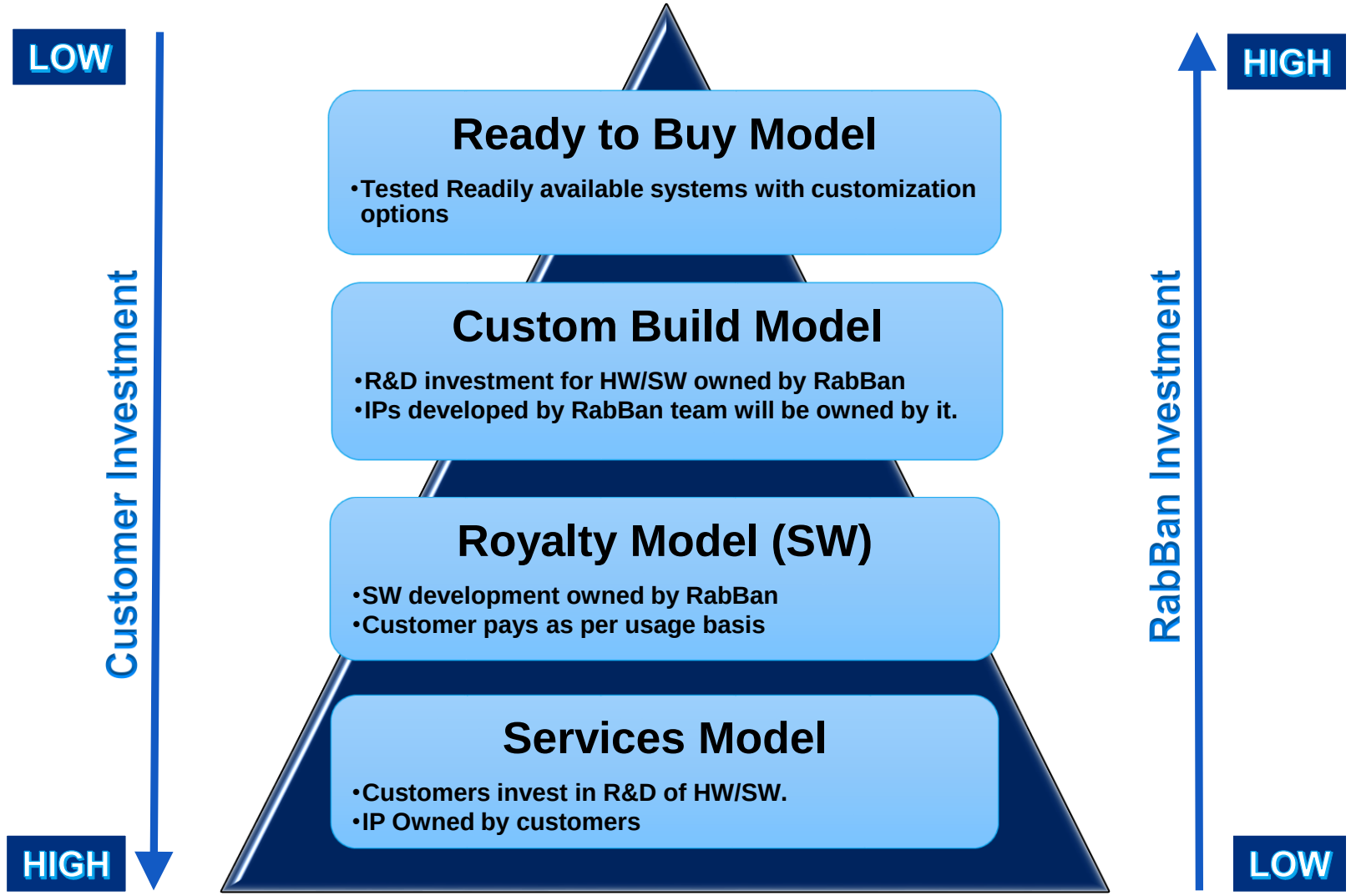
Customer Engagement Model



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Product Portfolio

Sl. No.	Products	Unique Features	Common Features	Status
1	**Protocol Bridges**			
1.1	Yash	• Field 5V Power • Compact Design	• USB device, CAN, and Modbus RTU ports • Works with all serial bus parameters • Available with PC Software Package to configure the board parameters. • USB Powered • Lead Time: 3 Weeks	Ready to sell
1.2	Avi	• USB Host and Ethernet Ports • Field 24V Power • Ethernet / Wi-Fi IoT Module • TCP Modbus to Modbus RTU and vice versa.		Ready to sell
2	**RabBan IoT Platform**			
2.1	IoT Platform	• Flexible as it is multi-tired. • AWS IoT infrastructure • User-definable device data schema • Data collection at specified location in the Amazon cloud and data retrievable through API • Echo system of service providers to build App, Dashboard and AI/ML models. • Enables Remote diagnostics. • Enables build predictive maintenance models. • Value addition to every tier of use.		Development

Product Portfolio

Sl. No.	Products	Unique Features	Status
3	**Stepper Motor Driver**		

3.1	Ashwa / Gaja	• CAN / Modbus Interface
		• Offloads motion control from the central controller.
		• Industry leading motor controller driver with cutting edge features:
		  ○ reduced power consumptions.
		  ○ quiet motion
		  ○ minimum to zero heat losses
		• facilitates range of motion controllers for torque and power needs
		• Available with RabBan IoT integration
			Development

4	**Generic control System**		
4.1	Adi	• 2 CAN, RS485, RS232, Ethernet, USB Host/device • SD Card interface • 8 Isolated digital inputs (24 V) • 8 isolated digital outputs (24 V) • Expansion port to add Analog In/Out or any other peripherals as per requirements. • Optional RabBan IoT integration • Available with custom embedded software	Ready to sell

Product Portfolio

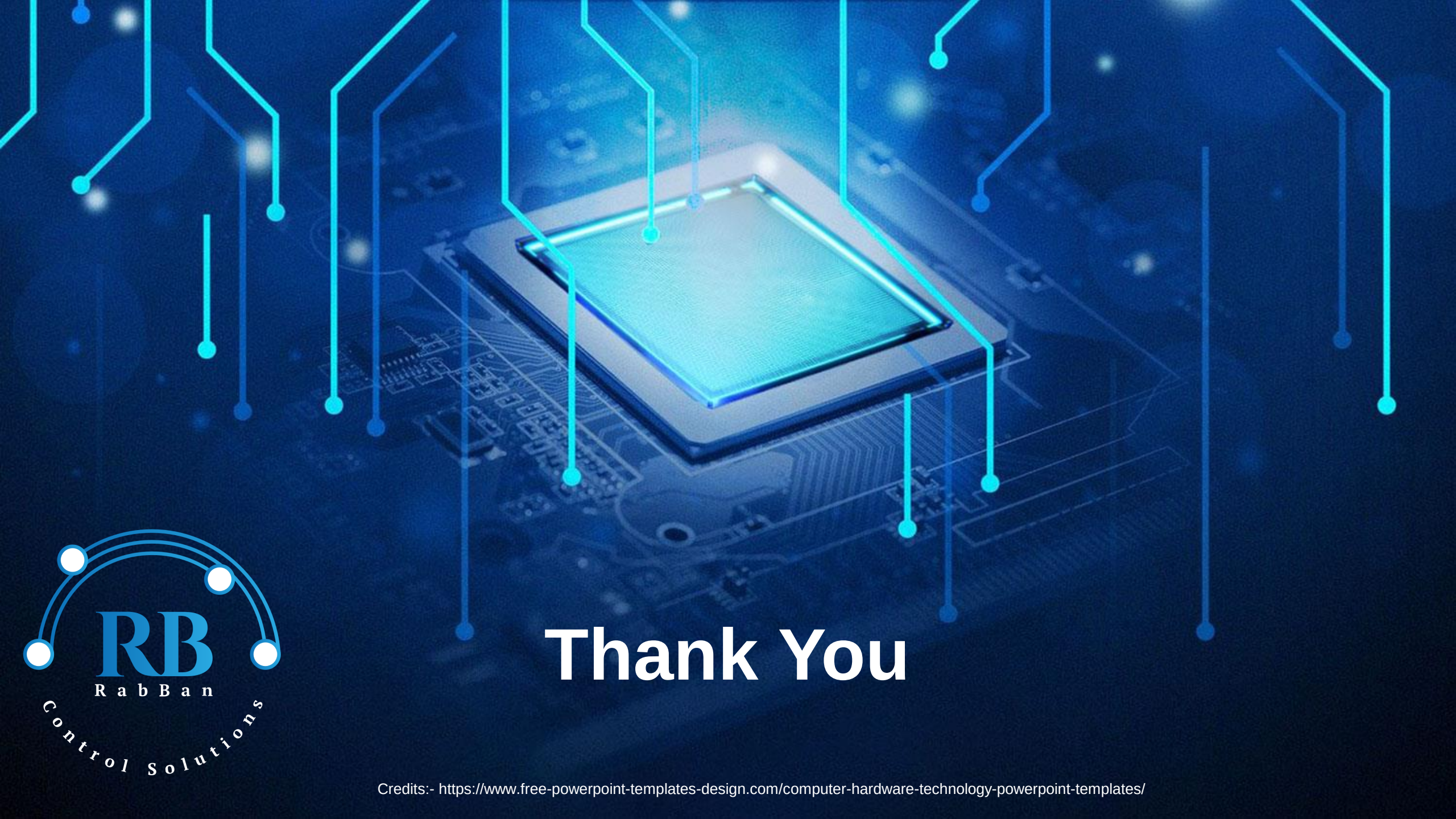
Sl. No.	Products	Unique Features	Common Features	Status
5	**DAQ Systems**			

5.1	Data Loggers (Low Speed)	• Built over Adi / Avi
		• DAQ rate up to 2 kHz
		• Available with auxiliary 8 12-bit ADC channels.
			• Carrier Board: 8 analogue input channels with 24-bit ADC
			• Sensor based Signal Conditioners available.
			• Stackable for higher channel counts
			• DAQ Software:
			  ○ UI with intuitive guide
			  ○ System Configuration
			  ○ Calibration
			  ○ Real-Time Graphics for visualization
			  ○ Data Storage and Playback
			  ○ Data Export and Report Generation
			  ○ Plugins / API kit for user to develop his own DAQ software.
			  ○ Available with IoT Integration
				Development (Design)

5.2	High Speed DAQ System	• FPGA Based Processor • DAQ Rate: 2-200 kHz • FFT Analyser		Development (Conceptualization)

Product Portfolio

Sl. No.	Products	Unique Features	Status
6	**Signal Conditioners**		
6.1	Signal Conditioners for strain-bridge based sensors	• Quarter Bridge / Half Bridge / Full Bridge • Shunt Calibration • Configurable DC excitations. • TEDS support • Coarse and fine offset corrections • Software selectable shunt resistor.	Development (Design)
6.2	LVDT Signal Conditioners	• Linear and Rotary LVDTs • Programmable AC excitation • Compatible with 3-wire, 4-wire and 6-wire LVDTs • Programmable offset and gain corrections • Ratio metric output • TEDS supported.	Development (Design)
6.3	Signal conditioners for sensors with high level outputs	• Thermistors / RTD / Thermocouple based temperature measurements • Pressure sensors, Accelerometer sensors etc. • Compatible for current outputs • Programmable attenuation and amplification • TEDS supported	Development (Design)
6.4	Signal conditioners for encoders	• Compatible for incremental and absolute encoders • Linear and rotary encoders • SSI supported • 1x/2x/4x modes • Binary or gray-coded outputs • Covers 8-32 bit encoders	Development (Design)



Thank You

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