

## RM Controls moving ahead with smart monitoring systems

*VR Engineering & Consultancy stays updated with digital trends in the energy sector by training its team on new technologies like smart grids, energy management systems and automation tools.*

**R**M Controls and VR Engineering & Consultancy are embracing the digital shift in the energy sector. Both the firms help clients monitor, control and optimise their operations by integrating IoT-enabled panels, smart sensors and advanced automation solutions. Amit explains that his focus is on predictive maintenance, remote diagnostics and turnkey project support to ensure efficiency, reliability and cost savings for his clients. Let us know more.

### **How is RM Controls evolving its product offerings to meet the growing demand for smart, IoT-enabled control panels in today's digital-first infrastructure?**

We understand that the industry is moving towards smart technology. We are actively upgrading our control panels to include IoT capabilities. This means our panels can now connect to the internet and provide real-time data to our clients. We are integrating smart sensors, communication modules and user-friendly interfaces that allow remote monitoring. Our engineering team is constantly learning about new digital technologies and implementing them in our designs. We work closely with our clients to understand their specific digital needs and customise our panels accordingly.

### **What innovations have you introduced in your panel designs to support predictive maintenance and remote diagnostics for your clients?**

We have introduced several new features in our panels. First, we now install smart monitoring systems that can detect problems before they become serious. These systems send alerts to our clients when maintenance is



**Amit Varshney**

Director  
RM Controls

needed. Second, we have added remote diagnostic capabilities, which means our technical team can check the panel's health remotely and help solve problems quickly. We also provide mobile apps and web portals where clients can see their equipment status in real-time. This helps reduce downtime and saves money on emergency repairs.

### **What are the biggest supply chain or raw material challenges currently impacting your production, and how are you navigating cost fluctuations in components like copper, steel and electronics?**

Like other manufacturers, we face challenges with rising prices of copper, steel and electronic components. We handle this by working with multiple suppliers to ensure a steady supply and better prices. We also buy materials in bulk when prices are favourable and maintain good inventory levels. We have built strong relationships with our suppliers over the years, which helps us get priority during shortages. To manage costs, we focus on efficient designs that use materials wisely without

compromising quality. We also keep our clients informed about market conditions and work together to find cost-effective solutions.

### **How is VR Engineering & Consultancy aligning its consultancy and design services with the evolving needs of utilities and industries adopting digitalisation and energy automation?**

VR Engineering & Consultancy is staying updated with digital trends in the energy sector. We are training our team on new technologies like smart grids, energy management systems and automation tools. We offer consultancy services for solar installations, energy storage systems and electric vehicle charging infrastructure. Our design services now include digital solutions that help industries monitor and control their energy use more efficiently. We also provide training programmes to help our clients' staff understand and operate these new digital systems effectively.

### **What are the common challenges your clients face in implementing complex engineering projects, and how does your firm support them from design to execution?**

Our clients often face challenges like tight deadlines, budget constraints, technical complexities and coordination between different teams. We support them by offering complete turnkey solutions - meaning we handle everything from initial design to final commissioning. Our project management approach includes detailed planning, regular progress updates and clear communication. We have experienced engineers who can solve technical problems quickly. We also provide training to client staff and offer after-sales support. Our goal is to make the entire process smooth and stress-free for our clients while delivering high-quality results on time and within budget. ⚡



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### INTRODUCTION.....engineering treasure

M/s VR Engineering & Consultancy Services [ VRECS ] prides itself in providing sustainable projects with an emphasis on safety, excellence and commitment. We offer various services with the utmost focus on our client's needs, considering aesthetics but never compromising on ethical standards, safety and quality.

Being an established Electrical Control Panel Manufacturer under the name of M/s RM Controls (P) Ltd ( [www.rmcontrols.co.in](http://www.rmcontrols.co.in) ) with a strong track record of providing creative solutions for the most challenging projects, our team does not rest on our laurels as we continue to strive for excellence, search new venues to broaden our quality of work under the newly added vertical of Engineering Design Consultancy

Our electrical consultancy services include installation, testing, inspection, and commissioning of indoor and outdoor substations, solar roof-top & ground mount, refrigeration machine rooms, process automation, panels, bus ducts, earthing, cable trays, cable laying & terminations etc with added supports through skill development and conducted training covering operational & functional aspects. We are committed to providing safe services to our customers; for this, we pre-plan, analyze and give special attention to each and every work. So, the complete task can be carried out without any trouble and within the stipulated time period.

#### Reasons To Get Electrical Consultancy Services:

- Professional advice makes a difference
- Professional people at work minimize errors in the process
- It'll save you time and money

#### Choose US wisely for

- Engineering and Design, Electrical Audits & Consultancy
- Complete Electrical/Solar/EV/Energy-Stored/CBG Solutions
- Project Management & Executors of Projects on Turn-Key Basis
- Personality & Skill Development, Industrial Training & Placement
- Financial Planning

*Use our experience in your endeavors to achieve joint expectations*

[services.vrec@gmail.com](mailto:services.vrec@gmail.com), [amitv@rmcontrols.co.in](mailto:amitv@rmcontrols.co.in), [www.vrengineer.in](http://www.vrengineer.in)

9311046606, 9311795213 #iambecauseWEare

Unit : 202, 2<sup>nd</sup> floor EF3 Mall, Sector-20A, Mathura Road, Faridabad, Haryana-121001