AVS

SERVICE BROCHURE



SERVICE LINE 02

Industrial Automation

PLC, SCADA, drives and building management – controls that keep machines, utilities and cleanrooms at set-point, and show you what they consume.

01	02	03	04
PLC, HMI and SCADA	VFD drives	BMS for HVAC and cleanrooms	Energy monitoring

AVS GLOBAL INNOVATION PRIVATE LIMITED · IMT MANESAR, GURUGRAM

+91 95998 81192 / 88260 90978 avsglobalpvtltd@gmail.com avsglobalpvtltd.com

One partner for the whole plant.

AVS Global Innovation Private Limited is an engineering company at IMT Manesar, Gurugram, incorporated on 26 August 2025. We started as an authorised Voltas dealer for VRV/VRF air-conditioning and have supplied about ₹1 crore of Voltas systems.

Air-conditioning never works alone. Every system needs a power feed, a control panel and a plan for what it will cost to run. So we widened our scope to the utilities around it, and today work in four service lines: power panels, industrial automation, solar energy, and HVAC & cleanroom turnkey projects.

Panels are built through type-tested fabrication partners. HVAC and cleanroom products are manufactured by ABS Air Tech Pvt Ltd – an ISO 9001:2015 certified company with factories at IMT Manesar and Rewari, in business since 2012 – and delivered turnkey by AVS.

> Quality is our foundation, and customer trust is our greatest achievement.
>
> **Chaitanya Rao**
> Director · B.Tech, Electrical Engineering

2025
Incorporated on 26 August 2025

~₹1 Cr
Voltas VRV/VRF systems supplied

4
Service lines under one team

65,000 sq ft
Partner manufacturing – ABS Air Tech, IMT Manesar and Rewari

Power Panels
PCC, MCC, APFC, VFD and distribution panels

Industrial Automation
PLC, SCADA, drives, BMS and energy monitoring

THIS BROCHURE

Solar Energy
On-grid rooftop solar with net-metering

HVAC & Cleanroom
AHUs, ducting, filtration and cleanrooms

Controls for process and discrete plants

We cover process and discrete applications. We map your signals and sequences, write the logic and operator screens, build the panel, commission it at site – and hand over the programs, backups and drawings.



WHAT WE DELIVER

01 **PLC and HMI programming**
New logic, modifications and operator screens.

02 **SCADA**
Plant-level monitoring, alarms, trends and reports.

03 **VFD drives and panels**
Speed control for fans, pumps and other motor loads.

04 **BMS for HVAC and cleanrooms**
Temperature, humidity and differential-pressure control.

05 **Energy monitoring systems (EMS)**
Consumption metered by feeder, line or utility.

06 **Control retrofits and AMC**
Upgrades to ageing controls, with annual maintenance.

Stable conditions
Temperature, humidity and pressure held to set-point.

Energy you can see
Consumption measured by feeder, line or utility.

You own the logic
Programs, backups and drawings handed over with the system.

What we automate

Control systems

- PLC systems for discrete, sequential and process control
- DCS for larger process plants
- HMI and operator screens
- Control panels and soft starters
- Mimic panels for plant status

Supervision & data

- SCADA – real-time monitoring, alarms, trends and reports
- RTU panels for remote sites
- Energy monitoring by feeder, line or utility
- Industrial IoT and cloud connectivity
- Wireless communication for field data

Drives & building systems

- VFD drives and drive panels
- BMS for HVAC and cleanrooms
- Process automation for WTP, STP and ETP
- Intelligent MCC panels

Integration & support

- Network integration – Ethernet/IP, ControlNet, DeviceNet, Profibus, Profinet, Modbus
- Retrofit of relay-based panels to PLC control
- Program backups and AMC
- Operator training

WE ALSO SUPPLY

PLCs · HMIs · VFDs · Sensors · Transmitters · SSRs · Power supplies



Panels and systems



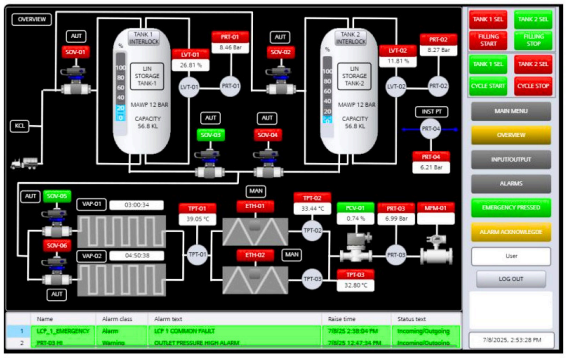
Robotic assembly cell



PLC panel



Process PLC panel



SCADA screen



VFD / drive panel



Control desk



Intelligent MCC panel



Control & relay panel

Images are representative of our range. Panels are built by our type-tested fabrication partners; the large photograph is a licensed stock image, not an AVS installation.

Five steps. One accountable team.

HOW WE WORK

01
Study and I/O list
We map signals, sequences and what the operator needs to see.

02
Control philosophy
Architecture, panel design and BOQ for your approval.

03
Build and program
Panels built, logic and screens written and bench-tested.

04
Commission
Loop checks, tuning and trial runs at site.

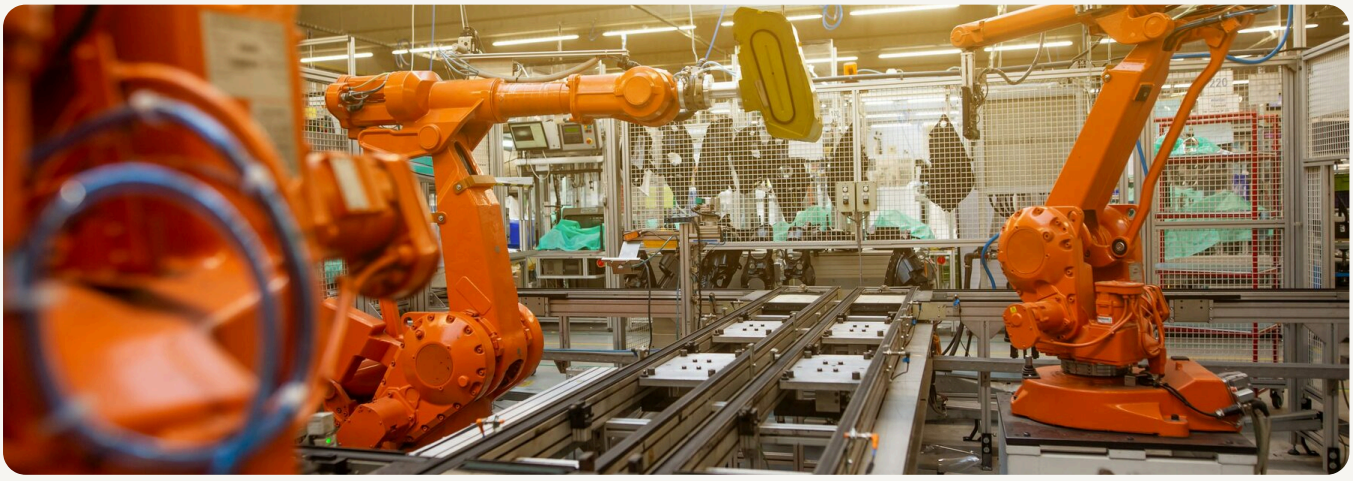
05
Train and support
Operator training, program backups and AMC.

QUALITY COMMITMENTS

- ✓ **Philosophy approved first**
  I/O list and control philosophy signed off before build.
- ✓ **Bench-tested logic**
  Programs and screens tested before they reach site.
- ✓ **Loop-checked at site**
  Every signal verified during commissioning.
- ✓ **Operators trained**
  Your team learns to run and read the system.

HANDED OVER WITH EVERY JOB

- Control philosophy and I/O list
- Panel drawings and wiring schedules
- PLC, HMI and SCADA program backups
- Loop-check and commissioning reports
- Operator manual



Industries we serve.

Pharmaceutical

Formulation, API and co-processing plants; cleanroom BMS.

Food, dairy & breweries

Batching, filling, CIP and utility control.

Steel & rolling mills

Cold and hot rolling, tube mills, metal processing.

Paper, printing & packaging

Mill sections, rotogravure, coating and slitter lines.

Tyre, wire & cable

Calenders, kneaders, wire drawing, stranding and extrusion.

Sugar & chemicals

Mill and boiler automation, evaporator and pan sections.

Power

Substation control, co-generation and balance of plant.

Water & wastewater

WTP, STP, ETP and RO plant automation.

Buildings

BMS for hospitals, hotels, malls and housing complexes.

ONE PARTNER FOR THE WHOLE PLANT

The same team also handles your

Power Panels
PCC, MCC, APFC, VFD and distribution panels

Solar Energy
On-grid rooftop solar with net-metering

HVAC & Cleanroom
AHUs, ducting, filtration and cleanrooms



CONTACT

Let's talk about your plant.

Send us your load list, drawings or electricity bills, or invite us for a site visit. We reply with a clear scope and a quotation.

PHONE
+91 95998 81192 / 88260 90978

EMAIL
avsglobalpvtltd@gmail.com

WEBSITE
avsglobalpvtltd.com

REGISTERED OFFICE
Plot No. 348, Sector 6, IMT Manesar, Gurugram, Haryana 122050

AVS Global Innovation Private Limited · CIN U43219HR2025PTC135531 · GSTIN 06ABDCA5967D1ZP

FOR PLANTS IN DELHI-NCR

Free energy audit

We walk your plant, review power factor, HVAC and motor loads and rooftop solar potential, and show you where the savings are.

ALSO ASK FOR OUR BROCHURES ON

Power Panels | Solar Energy | HVAC & Cleanroom