



**AMVAJE ABI**  
ELECTRONICS INDUSTRY

# Moore Prosafe ESD Modules

|                                |   |
|--------------------------------|---|
| Moore Prosafe ESD Modules      | 4 |
| Critical Discrete Module (CDM) | 4 |
| Critical Analog Module (CAM)   | 4 |
| Voltage Input Module (VIM)     | 4 |
| CDM Termination Board          | 5 |
| CAM Termination Board          | 5 |
| VIM Termination Board          | 5 |



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# Amvaje Abi: A Legacy of Expertise and Commitment to Quality

Amvaje Abi Company stands at the forefront of the industry, boasting over two decades of invaluable experience in designing, manufacturing, and advancing control systems and precision tools. Specializing in various sectors, particularly oil and gas, this knowledge-based company has earned its reputation as a trailblazer in Iran.

Established in 2002 with a mission to develop electronic systems tailored to the nation's needs, Amvaje Abi has evolved significantly over the years. In 2010, facing economic sanctions and stringent restrictions, the company successfully diversified into the production of control systems and precision tools, consistently delivering top-notch products across industries like oil and gas, mining, and steel.

Amvaje Abi's journey includes remarkable milestones, such as expanding R&D units, stringent quality control measures, and efficient production in the engineering department in Shiraz. Complemented by a management and commercial branch in Tehran, the company operates with a dedicated team of over 50 experts and skilled engineers, all alums of prestigious universities in the country.

In its commitment to international standards, Amvaje Abi has earned membership in the EP and AVL list of the Ministry of Petroleum and the National Petrochemical Company. The company has also secured multiple certifications and approvals from renowned organizations like the Association of Oil and Gas Industry Equipment Manufacturers and the Industrial Automation Companies Association.

With a portfolio boasting over 200 successful products, Amvaje Abi has achieved essential certifications domestically and internationally and has also seen exclusive use in major Iranian refineries and petrochemical plants by getting an exclusive MESC Code. Notable among these are the Pars South Gas Complex, Khangiran, Parsian, Shazand Oil, and numerous other significant petrochemical complexes.

Building on its rich experiences, Amvaje Abi has ventured into international trade, exporting its high-quality products to various countries. Committed to excellence, development, support, and the incorporation of cutting-edge technologies, the company has solidified its position as a leading force in Iran's electronic and industrial control industry and is recognized as a dependable supplier.

# Moore Prosafe ESD Modules

- Process Safety Conditions Control System
- Safe Operation Conditions Controller in Industrial Plants

## Modules

### Critical Discrete Module (CDM)

- 32 discrete channels of 24 or 48 V
- Individual programming capability for each channel as input/output/pulse output
- Isolation between field and bus data
- Electronic short circuit protection fuse
- On-line diagnosis of field wire failure using pulse

### Critical Analog Module (CAM)

- 32 channels 20-4mA with 16-bit resolution
- Separate programming capability for each channel as input/output
- Isolation between field and bus data
- Built-in Diag circuit to detect channel accuracy

### Voltage Input Module (VIM)

- 16-channel voltage/thermocouple input.
- Capability of separate programming for each channel as either voltage input or thermocouple input.
- Equipped with an adjustable internal amplifier for input range/precision adjustment.
- Internal automatic calibration.



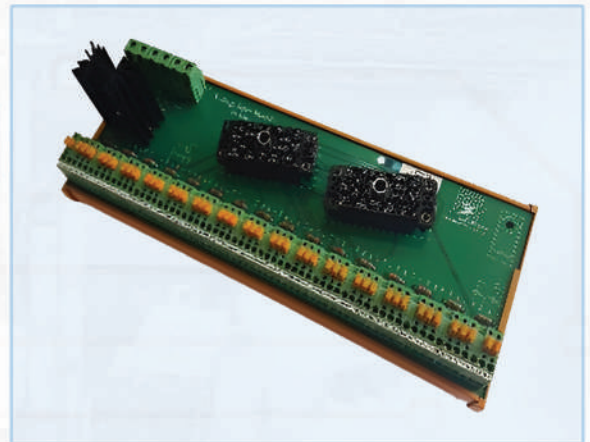
## CDM Termination Board

- Wiring terminal for 32-channel CDM card.
- Redundant connection of two CDM cards
- Capability to connect power input.



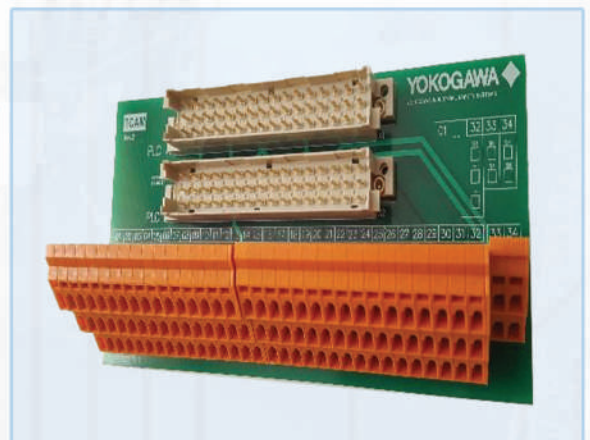
## VIM Termination Board

- Wiring terminal for the 16-channel VIM card.
- Capability to connect two VIM cards for redundancy.
- Capability to connect two separate power inputs.



## CAM Termination Board

- Wiring terminal for 32-channel CAM card.
- Redundant connection of two CAM cards
- Capability to connect power input.



# Company's Services

## - Engineering and Manufacturing Services:

- Designing various electronic and control systems.
- Reverse engineering and redesigning electronic cards and control systems.
- Electronic component assembly and mass production of various electronic and control systems.
- Testing and quality control of electronic cards.

## - Specialized commercial services:

- Consultation and procurement of industrial control systems.
- Consultation and procurement of various electronic, telecommunication, and precision instruments.
- Consult and procure remote control wireless systems.

## - Specialized Repairs:

- Specialized repair of electronic cards and precision instruments for refineries and petrochemical plants.

## - Training and Technical Engineering Support

## - Updating and Upgrading electronic and control systems

## **- Control Systems Integration and Commissioning**

○ In addition to its diverse and prominent activities, Amvaje Abi Company, with its essential capabilities, is recognized as one of the active companies in the field of designing and integrating control systems and precision instruments. This includes implementation, commissioning, support, and maintenance. The Instrument and Control System Department of Amvaje Abi, with over 15 years of practical experience in industrial automation and precision instruments, has become a key player in providing suitable solutions for major industries, including oil and gas, petrochemicals, steel, etc.

### **The primary activities and services of the Instrument and Control System Department at Amvaje Abi:**

- Consultation and Engineering
- Software design and development
- Conducting FAT processes
- Upgrading and Revamping
- Procurement of project components
- Design of engineering documents and documentation
- Control systems Integration and precision instruments
- Cybersecurity Based On Project Requirements
- SAT
- Commissioning
- Repair and Maintenance
- Training
- Project Management

# Customers







# Certificates and Standards

## Membership in the AVL of the Oil Ministry


 عضویت در انجمن صنایع موتور آوی  
 تاریخ عضویت: ۱۳۹۸/۰۳/۰۱

شناسه ملی: ۱۵۵۳۳۵۸۹  
 عضویت در:  شناسه ملی

**انجمن صنایع موتور آوی**  
 نام: ...  
 شماره ثبت: ...  
 شماره شناسه ملی: ...  
 تاریخ عضویت: ...

برای کسب اطلاعات بیشتر یا تکمیل پروفران شرکت خود، در این قسمت، می‌توانید با پشتیبانی وارد شد یا همیشه می‌توانید از طریق ایمیل یا تلفن با ما تماس بگیرید.  
 شماره های تماس: تهران: ۰۲۱-۸۳۳۸۱۹۲۳۳۳ | تهران: ۰۲۱-۸۳۳۸۱۹۲۳۳۳ | تهران: ۰۲۱-۸۳۳۸۱۹۲۳۳۳ | تهران: ۰۲۱-۸۳۳۸۱۹۲۳۳۳

**انجمن صنایع موتور آوی** که در سامانه ثبت نام آوی پذیرفته شده است.

## Membership Certificate Of Industrial Automation Companies Association


 انجمن صنایع شرکت‌های اتوماسیون صنعتی  
 گواهی عضویت

شماره عضویت: ۹۸۱۰۳  
 تاریخ صدور: ۱۳۹۸/۰۶/۰۱  
 شروع عضویت: ۱۳۹۸/۰۶/۰۱  
 افسال تاریخ: ۱۴۰۰/۰۷/۳۰

Association of Industrial Automation Companies  
 CERTIFICATE OF MEMBERSHIP

MEMBERSHIP NO: 98102    ISSUE DATE: Aug.22.2020  
 REGISTRATION DATE: Aug.03.2019    VALID UNTIL: Oct.21.2021

رئیس هیئت مدیره  
 مدیر عامل

## Membership Certificate Of Association of Oil and Gas Industry Equipment Manufacturers

گواهی عضویت  
 شرکت صنعت الکترونیک امواج آبی

شماره ثبت: ۱۳۹۵  
 تاریخ ثبت: ۱۳۹۵/۱۱/۲۰

انجمن صنایع تجهیزات سازندگان صنایع نفت و گاز ایران  
 شماره عضویت: ۵۸  
 تاریخ عضویت: ۱۳۹۸/۰۳/۰۱

این گواهی با تاریخ ۱۳۹۸/۰۳/۰۱ صادر شده و تا تاریخ ۱۴۰۰/۰۷/۳۰ معتبر است.

مدیر عامل  
 مدیر عامل

## Operation License


 جمهوری اسلامی ایران  
 وزارت صنعت، معدن و تجارت

پروانه بهره‌برداری  
 شماره پروانه: ۱۳۹۸/۰۳/۰۱  
 تاریخ صدور: ۱۳۹۸/۰۳/۰۱  
 تاریخ انقضا: ۱۴۰۰/۰۷/۳۰

این پروانه به موجب این سند صادر شده است و به موجب این سند، دارنده این پروانه مجاز است تا در محدوده صلاحیت این پروانه، فعالیت نماید.

مدیر عامل  
 مدیر عامل

## Technology Unit Certificate


 مجوز واحد فناوری  
 شماره ثبت: ۱۳۹۵  
 تاریخ ثبت: ۱۳۹۵/۱۱/۲۰

این مجوز واحد فناوری، به موجب این سند صادر شده است و به موجب این سند، دارنده این مجوز مجاز است تا در محدوده صلاحیت این مجوز، فعالیت نماید.

مدیر عامل  
 مدیر عامل





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