



AMVAJE ABI
ELECTRONICS INDUSTRY

Chloride UPS Modules

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ELECTRONICS INDUSTRY

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.

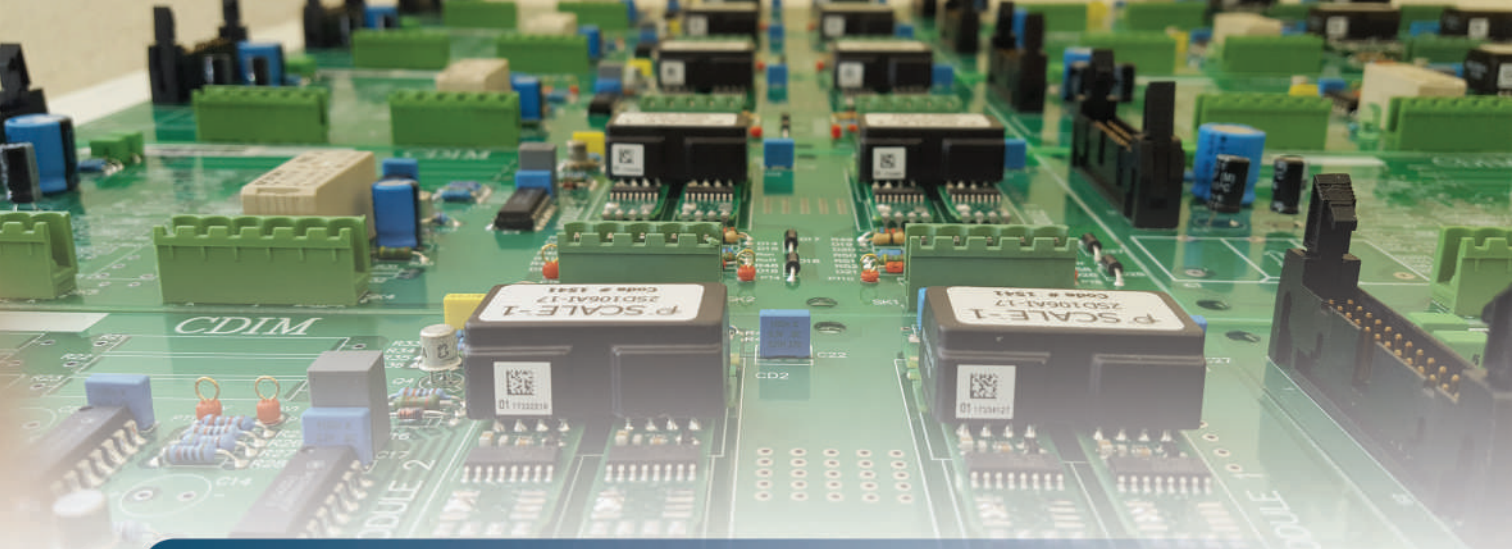
Established in 2002 with a mission to develop electronic systems tailored to the nation's needs, Amvaje Abi has evolved significantly over the years. In 2010, facing economic sanctions and stringent restrictions, the company successfully diversified into the production of control systems and precision 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.



Chloride UPS Modules

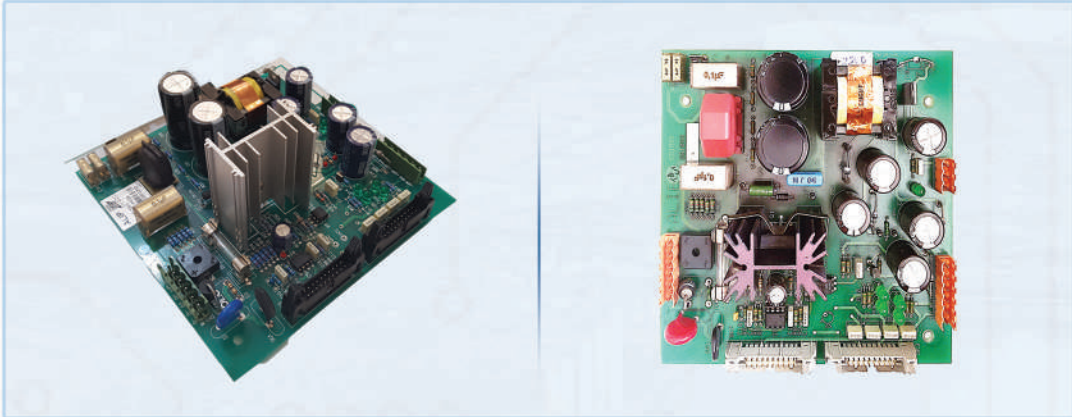
Ensuring a stable electrical power supply in industrial processes, such as refining operations, has always been a critical concern in the industry. This issue is significant for processes controlled by industrial automation systems such as DCS and PLCs. Industrial UPS units from Chloride, a renowned brand globally, have consistently been used alongside the oil and gas industries, especially in gas-related sectors. The UPS units, known for the simplicity in their circuit designs while being modular, stand out as some of the most reliable industrial UPS systems used in refineries, extraction centers, and gas transmission operation areas across the country. Amvaje Abi, a company with valuable experience in reverse engineering and redesigning precision instrument systems in the country, is a prominent domestic supplier of modules and cards for these industrial systems.

Continuing with the detailed explanations of the cards produced from the well-known Chloride brand's production card set:

Modules

ALIP

- AC power converter to $\pm 5V$, $\pm 12V$, and $24V$.
- Available for order with input options of 110V and 400VAC.



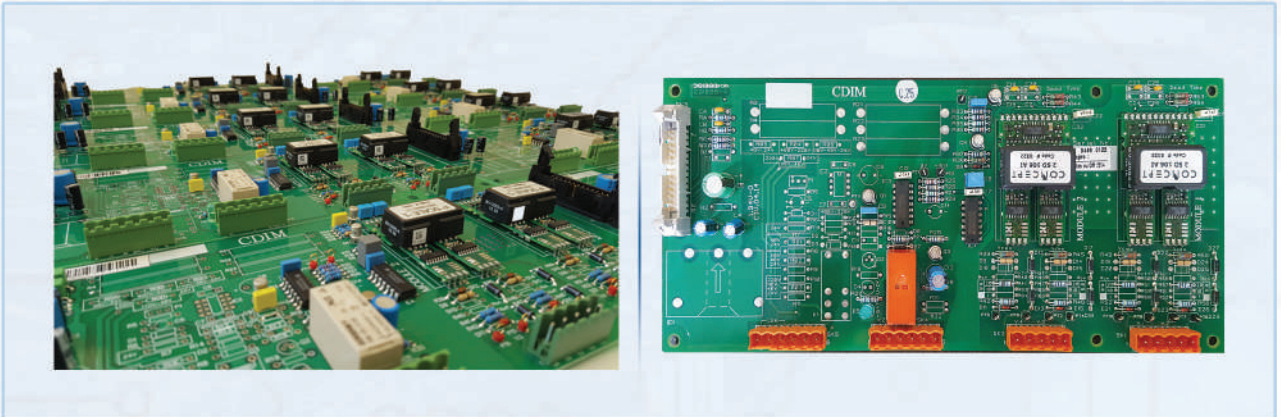
CC6P

- Central controller for UPS battery charging.
- Automatic timing for charge modes.
- Generation of synchronous pulses for output
- synchronization with line voltage.



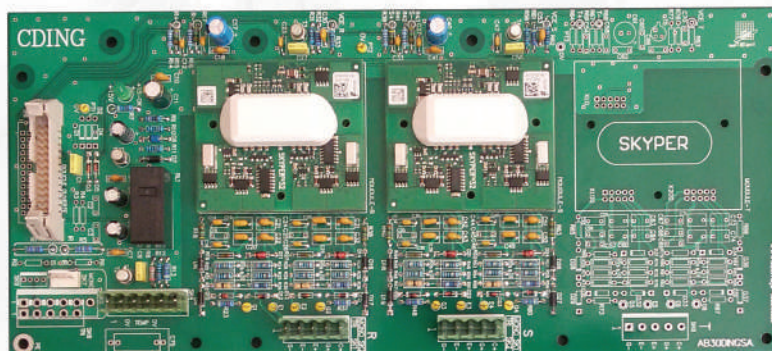
CDIM

- Two-phase IGBT driver for the charger.
- Online error detection to prevent Overrun conditions.
- Automatic Dead Time adjustment.



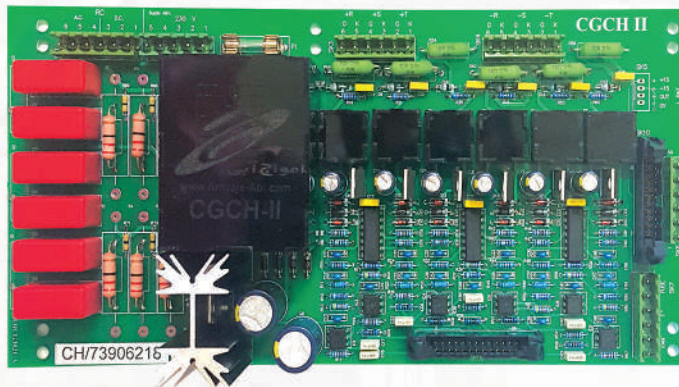
CDING

- 2 or 3-phase Driver for IGBTs in the charger.
- Automatic Dead Time adjustment using SKYPER modules.



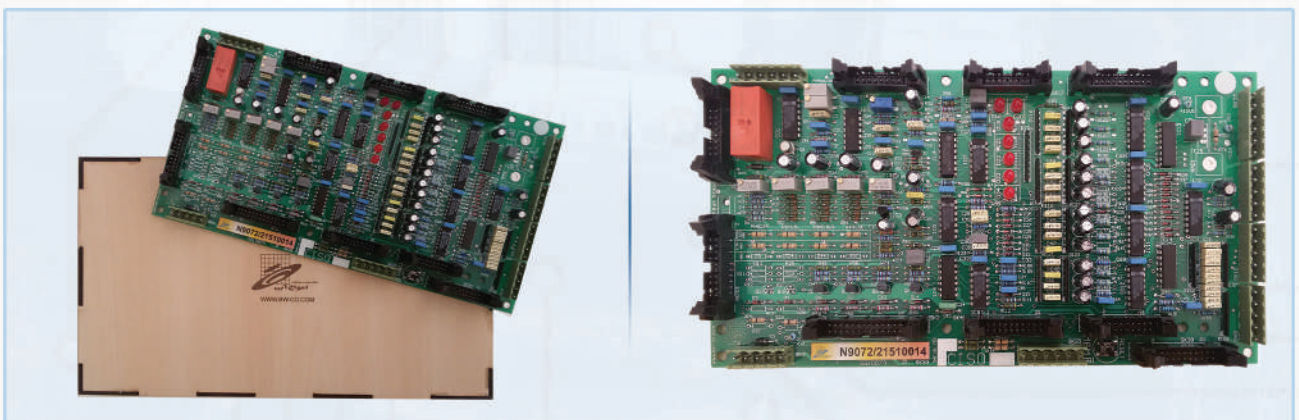
CGCH

- Pulse generator for IGBT inverter.
- Generation of six pulses to drive a 3-phase Bridge.
- Isolation between the command input and pulse output.



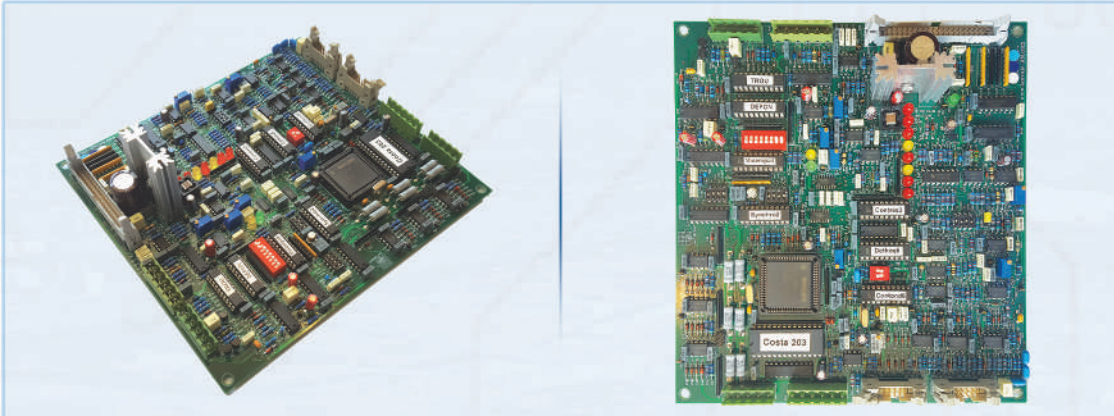
CISO

- Battery voltage and charge current monitor.
- Preparation of control signals applied to the CRI board.



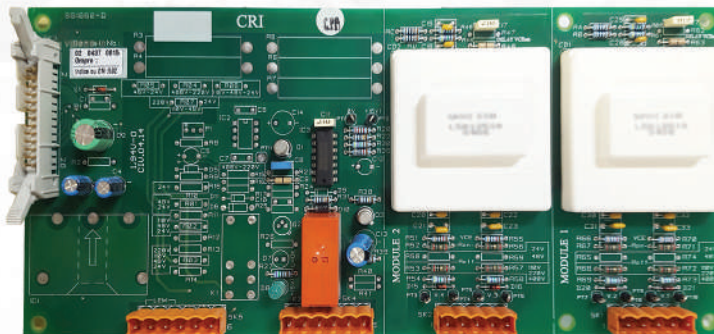
COSTA

- Monitoring current, voltage, and frequency of various blocks in the system.
- Synchronization of UPS output with the line.
- Verify network/output voltage and frequency accuracy and check phase sequence.



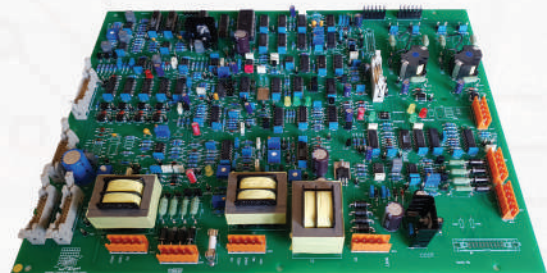
CRI

- Charger IGBT driver.
- Adjustable ON and OFF times based on charger IGBT parameters.
- Automatic Dead Time adjustment.



CCOT

- One of the most important control system cards in the UPS, and its primary function is to provide reference PWM signals for driving the inverter switches. By generating appropriate PWM pulses, this card induces the production of controlled sinusoidal voltage at the output of the inverter. In addition to monitoring the inverter voltages and reserves, this card controls the current level by monitoring the inverter current and reserves.



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

Implemented Standards

IEC 61508-7-210

BSI BS EN 60079-0

BSI BS EN 60079-1

BSI BS EN 60079-20-1

BSI BS EN 60079-7

IEC 61132-2 2017

IEC-60529

IPC 2221B

IPC 2222A

IPC 7351B

IPC 7711C.7721C

IPC A-600J

IPC A-610F A1-2016

ISO IEC 80079-34-2018

ISO9001-2015

Knowledge enterprise Appoval

شماره ثبت: ...
گازبرده آریان سیستم‌ها و سیستم‌های داتاشیراز
شعبه شرکت‌های داتاشیراز

نام شرکت	صنعت	توسعه	انواع (ای)
...

توضیحات:

- این گواهی در خصوص اعطای صلاحیت برای تولید محصولات الکتریکی مطابق با استانداردهای بین‌المللی است.
- این گواهی در خصوص اعطای صلاحیت برای تولید محصولات الکتریکی مطابق با استانداردهای بین‌المللی است.
- این گواهی در خصوص اعطای صلاحیت برای تولید محصولات الکتریکی مطابق با استانداردهای بین‌المللی است.

تاریخ اعتبار: ۱۳۹۷/۰۷/۳۰
مستند: ...

Quality Control According To ISO9001

CSP
Certificate of Registration

We hereby certify that the organization
Amvaje Abi Electronics Industry Co.
Science and Technology Park, Arsan St., Dr.Hesabi Blvd., Shiraz, Iran
Has implemented and maintains a management system which complies with the following standard

ISO 9001:2015

For the following activities

Manufacturer of Distributed Control System (DCS), Instrumentation Equipment, Electronic Cards for Oil, Gas and Petrochemical Industries and Explosion Protected Electronic Ballast

A. Hesari
Managing Director of Csp Co.

IAF NACI

Certificate No: IR10-41
First issue: 25/12/2010 Current issue: 25/12/2019 Expiry date: 24/12/2022

The authenticity of this certificate can be confirmed online or by email to the CSP CO office via:
Unit 5, No. 10 Nakha Alley, Kavousfar St., Behshahr St., Tehran, Iran
www.Cspco.org info@Cspco.org

Certificates and Standards

Membership in the AVL of the Oil Ministry


 عضویت در انجمن صنایع نفت
 تاریخ عضویت: ۱۳۹۸/۰۹/۰۱

شناسه ملی: ۱۵۵۳۳۵۸۰۹
 عضویت در: شناسه ملی

انجمن صنایع نفت و گاز ایران

ردیف	نام شرکت	نوع فعالیت	کد ملی	آدرس
۱	Iran Electronic Assets (IEA)	تولید تجهیزات	۱۵۵۳۳۵۸۰۹	تهران، خیابان ولیعصر، پلاک ۱۳۹، طبقه همکف، پ.م.ن ۱۳۹۸/۰۹/۰۱

برای کسب اطلاعات بیشتر یا تکمیل پروفران شرکت خود، در این قسمت، می‌توانید با پشتیبانی وزارت نفت یا کمیته های فنی شرکت های عضو همکاری کنید.
 شماره های تماس: تهران: ۰۲۱-۸۳۳۸۱۹۲۳۳۳ - تهران: ۰۲۱-۸۳۳۸۱۹۲۳۳۳ - تهران: ۰۲۱-۸۳۳۸۱۹۲۳۳۳ - تهران: ۰۲۱-۸۳۳۸۱۹۲۳۳۳

انجمن صنایع نفت و گاز ایران که در سامانه ثبت نام آید خوداظهاری می‌نماید.

ردیف	نام شرکت	نوع فعالیت	کد ملی	آدرس
۱	Iran Electronic Assets (IEA)	تولید تجهیزات	۱۵۵۳۳۵۸۰۹	تهران، خیابان ولیعصر، پلاک ۱۳۹، طبقه همکف، پ.م.ن ۱۳۹۸/۰۹/۰۱

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 عضویت: ۵۸
 تاریخ صدور: ۱۳۹۸/۰۹/۰۱

این گواهی با تاریخ ۱۳۹۸/۰۹/۰۱ صادر شده و تا تاریخ ۱۴۰۰/۰۷/۳۰ معتبر است.

ثبت شده در سامانه ثبت نام آید خوداظهاری می‌نماید.

Registerd by: www.ogim.com

Operation License


 جمهوری اسلامی ایران
 وزارت صنعت، معدن و تجارت

پروانه بهره‌برداری
 شماره پروانه: ۱۳۹۸/۰۹/۰۱
 تاریخ صدور: ۱۳۹۸/۰۹/۰۱
 اعتبار: ۱۳۹۸/۰۹/۰۱ تا ۱۴۰۰/۰۷/۳۰

این پروانه به موجب این سند صادر شده و به نام آقای/خانم/شرکت ... صادر شده است.

مدیر عامل
 مدیر عامل

Technology Unit Certificate


 مجوز واحد فناوری
 ثبت شده در سامانه ثبت نام آید خوداظهاری می‌نماید.

شماره پروانه: ۱۳۹۸/۰۹/۰۱
 تاریخ صدور: ۱۳۹۸/۰۹/۰۱

این پروانه به موجب این سند صادر شده و به نام آقای/خانم/شرکت ... صادر شده است.

مدیر عامل
 مدیر عامل

AMVAJE ABI
ELECTRONICS INDUSTRY





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South Kaj St., Fatemi Sq

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