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معرفی شرکت آداک آروند کویر یزد

شرکت آداک آروند کویر یزد با تجربه و سابقه ۱۵ ساله موسسین خود در صنعت برق فعالیت خود را در زمینه ساخت و مونتاژ تابلو برق و خدمات پیمانکاری آغاز نمود ما بر این باوریم که حضور مستمر در بازار از طریق ارتقاء کیفیت محصولات و ارائه خدمات پس از فروش و جلب رضایت آنان امکان پذیر است. لذا تلاش نمودیم با نیروهای انسانی دانش محور، دلسوز و کارآزموده و نیز از طریق ارتباط با شرکت های معتبر داخلی و خارجی بتوانیم در صنعت برق به عنوان برندی برتر شناخته شویم تا ضمن سودآوری به عنوان شرکتی نوآور و مشتری مدار، در پی ایجاد منافع مشترک با مشتریان، کارکنان و جامعه خود باشیم.

چشم انداز:

ایجاد واحدی است که قانع کننده ترین محصولات و خدمات را برای مشتریان فراهم نماید.

واحد تابلو سازی

شرکت آداک آروند با کسب تجربه چندین ساله موسسین خود و نیز با دیدگاهی روشن و دانش محور موفق به ساخت و تولید انواع تابلو برق های LV & MV بانک های خازنی و پست های کمپکت شده است.

این شرکت تلاش نموده با بکارگیری انواع نرم افزارهای طراحی و محاسباتی و نیز ارتباط موثر با شرکت های داخلی و خارجی و همچنین با رعایت تمامی استانداردهای بین المللی،محصولی با دوام،با کیفیت برتر و با قیمتی بهینه در سریع ترین زمان ممکن تحویل نماید تا کمک حال مشتریان عزیز باشد.

شبکه های توزیع برق فشار متوسط و ضعیف، نیروگاه های تولید برق، صنایع فولاد ، صنایع پتروشیمی، معادن، صنعت کاشی و سرامیک، آب و فاضلاب، مراکز تجاری و ساختمانی، بخش عمده مشریان این شرکت می باشد.

تولیدات شرکت آداک آروند یزد

- تابلوهای فشار متوسط کشویی
- تابلوهای فشار متوسط فیکس
- تابلوهای فشار ضعیف کشویی
- تابلوهای فشار ضعیف فیکس
- تابلوهای اصلاح ضریب قدرت (بانکهای خازنی)
- تابلوهای کنترل و حفاظت
- تابلو های شالتر
- تابلو های اندازه گیری
- پست های کمپکت زمینی

Products

UniSafe (ABB Technology)

UNISAFE (ABB TECHNOLOGY) IS MEDIUM VOLTAGE METAL-CLAD SWITCHGEAR SUITABLE FOR INDOOR INSTALLATIONS.

UniSafe (ABB Design) is medium voltage metal-clad switchgear suitable for indoor installations.

The switchgear is modular and is made up by placing standardized units side by side in a coordinated way.

Circuit breakers with the same rating are interchangeable irrespective of switching technology.

The unit compartments are metallically segregated from each other and the live parts are air insulated.

Installation requires very simple civil works.

Access to the branch connections to connect the power cables takes place from the front of the switchgear.

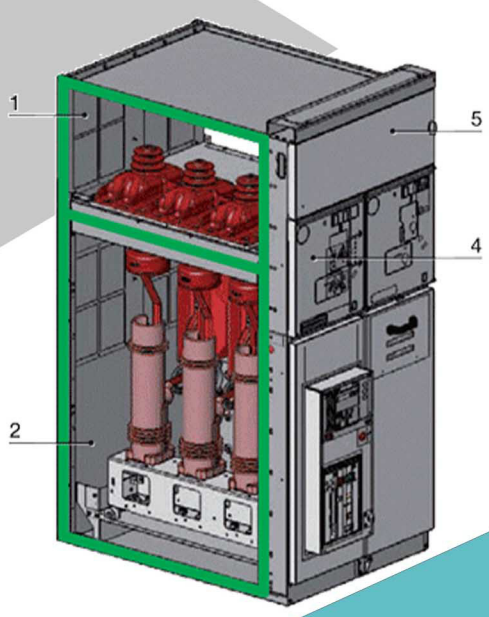
Ambient conditions

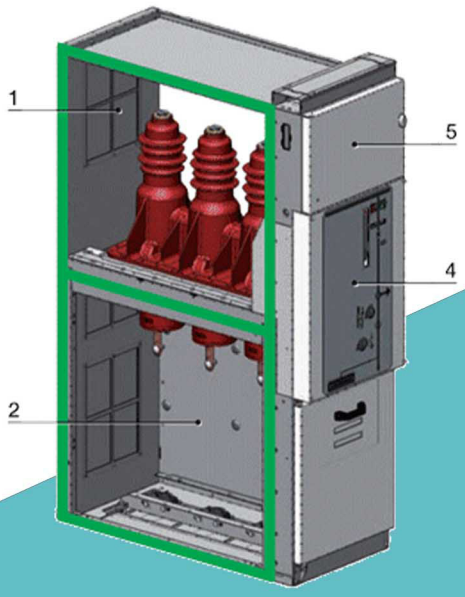
The switchboard ratings are guaranteed under the following ambient conditions:

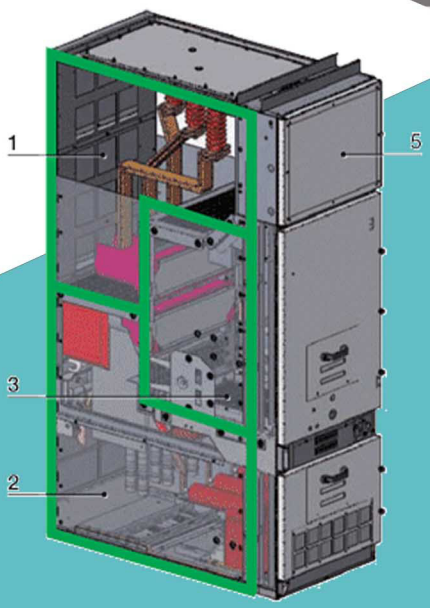
Minimum ambient.

temperature	**-5 °C**
Maximum ambient temperature	**+40 °C**
Maximum relative humidity	**%95**
Maximum altitude	**1000 m**

Rated voltage	kV	12	17.5	24
Rated insulation voltagae	kV	12	17.5	24
Power frequency withstand voltage	kV	28	38	50
Lightning impulse withstand voltage	kV	75	95	125
Rated frequency	Hz	60-50	60-50	60-50
Rated current of the branch connections	A	630 1250 1600 2000 2500 3150	630 1250 1600 2000 2500 3150	630 1250 1600 2000
Rated short-time withstand current (1s)	kA	50	50	25







The unit is divded into the following compartments:

1) Busbar compartment
2) Cable compartment
3) Apparatus compartment (only for LSC2B units)
4) Operating mechanism compartment
5) Auxiliary circuits compartment

Medium Voltage compact switchgear

UniSwitch provides long-term technical solutions for various applications. Safety, user-friendliness and environmental concerns have been the driving forces in the development of the switchgear. UniSwitch switchgear is a compact solution for a fully automated power distribution network. Supported by high technology and the latest in protection relays, it meets even the most demanding requirements in different applications.

UniSwitch can be used in various applications in the distribution network. UniSwitch offers a wide range of panels, making it possible to identify the most cost-efficient solution for all applications by combining the available panel types.

Ambient conditions

The switchboard ratings are guaranteed under the following ambient conditions:

Minimum ambient.

temperature	**-5 °C**
Maximum ambient temperature	**+40 °C**
Maximum relative humidity	**%95**
Maximum altitude	**1000 m**

Rated voltage	kV	12	17.5	24
Rated insulation voltagae	kV	12	17.5	24
Test voltage at power frequency	kV	28	38	125
impulse withstand voltage	kV	75	95	125
Rated frequency	Hz	60-50	60-50	60-50
Bus bar rated current	A	630 1250	630 1250	630 1250
Rated short-time withstand current	kA	25	20	20

LOW VOLTAGE SWITCHGEAR

SIVACON 8PT
Low-voltage switchboard versatile with Safety

The SIVACON 8PT low-voltage switchboard is the solution for buildings and industrial engineering.

The wide range of possible module combinations allows the switchboard to be ideally adjusted to meet every demand.

- Standardized busbar position at the top of the cubicle
- 3 and 4-pole busbar system up to 7400 A
- Rated peak withstand current Ipk up to 375 kA
- Deep switchgear compartment for universal installation
- Modular structure of device compartments
- Single-front and back-to-back installation
- Cable lead-in from above or below
- Cable connection from the front or rear

standards and specificaions	type.tested low-voltage switch gear and control gear assembly(TTA) testing of response to internal faults (arcing faults)	IEC 1-60439 / DIN EN 60439-1 (VDE 0660 Part 500) IEC 61641 / VDE 0660 Part 500/ Supplement 2	
Creepsge distances and clearances	Rated impulse withstand voltage(Uimp)	8 KV	
	Overvoltage category	1II	
	pollution degree	3	
Rated insulation voltage(U_i)		1000V	
Rated opera tional voltage(U_e)		up to 690 V	
Rated curremts (I_n) Busbars(3- pole and 4-pole)	Main horizontal busbars	Rated current Rated peak withstand current(I_{pk}) Rated short-time withstand current(I_{cw})	up to 7400 A up to 375 KA up to 150 KA .1s up to 120 KA . 3s
	Vertical bus bars for circuit breakers	Rated current Rated peak withstand current(I_{pk}) Rated short-time withstand current(I_{cw})	up to 6300 A up to 250 KA up to 100 KA .1s up to 80 KA . 3s
	Vertical bus bars for fixed-mounted design	Rated current Rated peak withstand current(I_{pk}) Rated short-time withstand current(I_{cw})	up to 1400 A up to 163 KA up to 65 KÁ .1s up to 50 KA . 3s
	Vertical bus bars for fixed-mounted design (3NJ6)	Rated current Rated peak withstand current(I_{pk}) Rated short-time withstand current(I_{cw})	up to 2100 A up to 110 KA up to 50 KÁ .1s
Switchgear rated currents		Circuit breakers Outgoing feeders	up to 6300 A up to 630 A
Internal separation	Form 1 to Form 4	IEC 60439-1 . section 7.7 / DIN EN 60439-1	
Surface treatment	Frame parts	Galvanized/powder.coated/wet-painted	
	Enclosure	Galvanized/powder.coated/wet-painted	
	Doors	powder.coated/wet-painted	
Degree of protection	To IEC 60529. EN 60529	IP 30 to 54	
Dimensions		Height: 2200.2600 mm (with busbar top unit) Width: 400.600.800.1000.1200 mm Depth: 600.800.1000.1200mm	
Rated conditional short-cirauit current Icc up 100 KA			

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Capacitor banks

LV CAP is a three-phase, metal enclosed, air-insulated switchgear and all the units are factory-assembled , Routine-Tested and suitable for outdoor applications up to **690** V. The units are designed are fitted with busbar system. Each steps are equipped with LV fuses, contactors special for capacitor switching, inrush current choke and capacitor.

Details of the technical design and configuration of individual switchgears such as the technical data, detailed equipment lists for the individual panels

Power factor correction system consists of the following components:

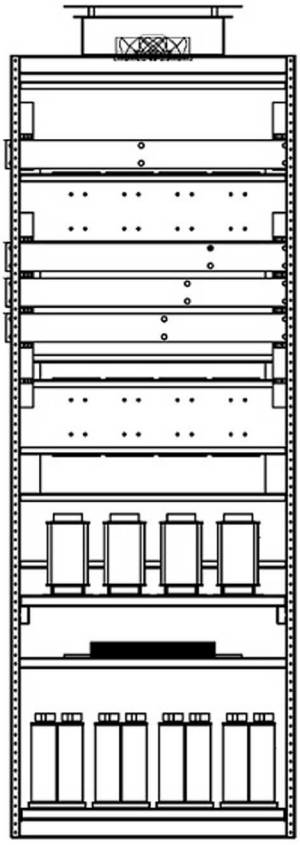
Reactive power controller (regulator) for automatic entry and exit steps.

Contactor suitable for capacitive switching.

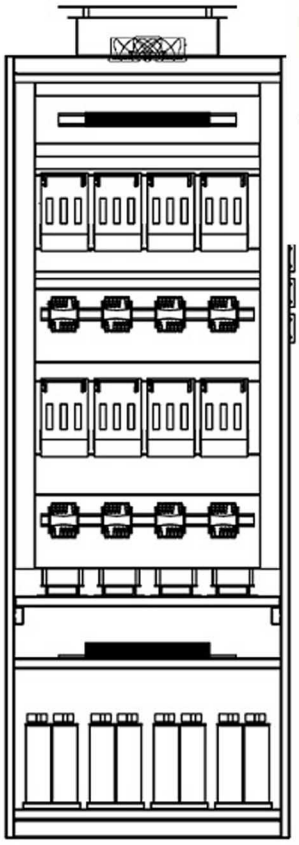
Fuse-Switch or Circuit breaker as protection device of each step Capacitor

Harmonic filter (if required)

Rated insulation Level Ui	VAC	**690**
Rated operating voltage Ue	VAC	**690**
Rated impulse withstand voltage Uimp	KV	Depending on the electrical equipment
Rated normal current	In	On Request
Rated frequency	HZ	**50-60**
Total Capacity	KVAR	On Request
Rated Power Frequency Voltage	KV	**1.89**



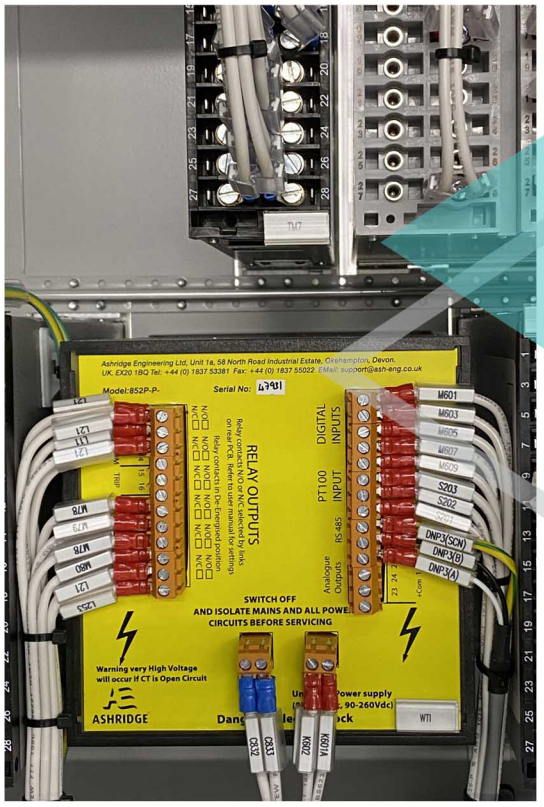
Back



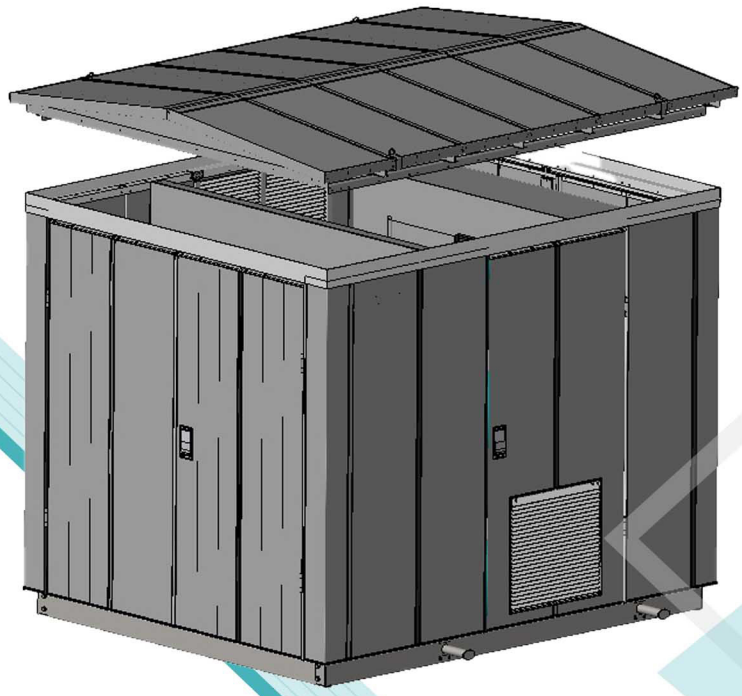
Front(inside)

ADAK ARVAND KAVIR

Protection and Metering Panel



Adak protection and metering panels can cover all the needs of power plants, transmission and distribution systems. Using “swing technics” makes these type of panels more compact and user friendly at the same time. In these panels our focus is to use Siemens relays, however if needed, it is possible to use other brands as well.



UniKiosk - Comapact Substation

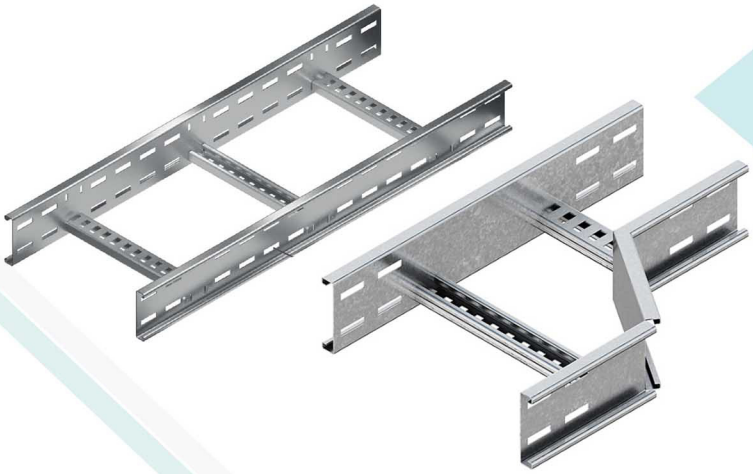
UniKiosk is metallic self-standing Compact Substation (either thermal insulated or not) in Medium and Low voltage, Customized dimensions and totally factory assembled and tested in accordance with IEC I-**622271** and IEC **202-62271** . In order to meet the safety requirements, access to HV, LV equipment and transformer is considered through separate doors at different side of kiosk, which will be practically accessible for access and repair from the doors of the same access area.

UniKiosk Compact Substation benefits from many technical and economic advantages as described below:

- Reduced space requirements (Use of Equipment with minimum space and Compact Size)
- Easy Installation and operation of power supply (Pre-Built Kiosk)
- Attention to higher safety as well as reliability (Known Equipment and Complete Factory Test Procedure)
- More focus to customer requirements (Customization)
- Matching equipment and design with installation environment (Mechanical and Thermal design)
- Easy operation (No special training needed)

Long Lifetime (Designed for 30 years)

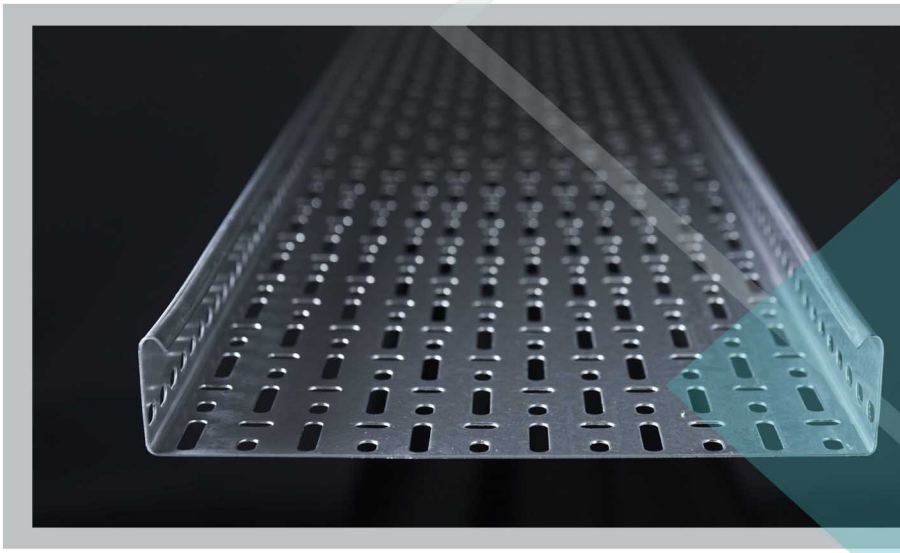
Cable ladder:



Commonly known as: ladder tray, cable runway.A cable ladder has a range of straight lengths and different shaped fittings designed to facilitate changing cabling directions or levels easily, without the need to modify any components. Ladders are considered to be the strongest products that are available to support cables, offering high load capabilities over long spans, and thus are often to be installed on sites where the need to distribute high volumes of cables safely, reliably and quickly is of paramount importance to the project managers.

- Has a simple design of side rails with rungs connected? The rungs are perforated, which makes it easy to fasten cable ties or cable cleats directly onto the ladder.
- It is of stronger build. Configuration is easy.
- Air circulation is free hence derating of cable current carrying capacity is not required.
- Less accessories are required.
- Can carry more load
- Cable ladders are used in industrial spaces or in the basements etc, which are not public areas.
- Suited for electrical, instrumentation and telecommunications cables
- Supports heavy cables, cable bundles and pipes at long support spans.
- Cables can enter and exit anywhere through the span.
- Ladders give free air flow, which is essential to avoid overheating of cables
- Minimal accumulation of water, moisture or dust
- Cables are easily accessible – making inspection and future modifications uncomplicated.
- Covers can also be added to protect cabling against UV rays, snowfall and vandalism.
- Adaks' fittings such as elbows, tee pieces, cross pieces and risers make it easy to change direction or level of the cable ladder span. These solutions require minimal space

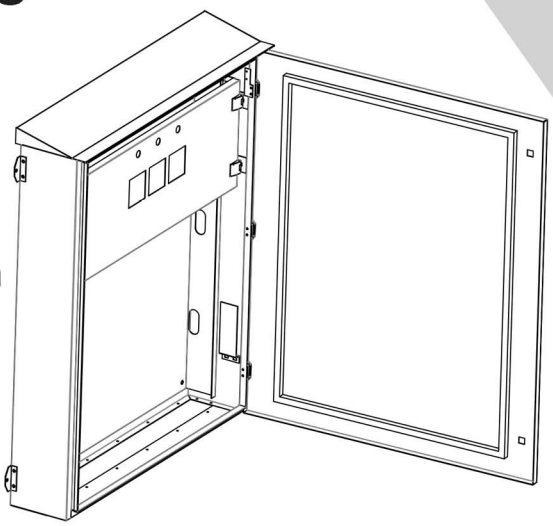
Cable tray



Cable tray is used for project planning: It is much easier to lay new cables onto a tray system as the needs of a project changes over time, rather than have to pull them through a prior installed length of conduit pipe. Adak manufactures and supplies light duty perforated cable tray and duct, through to medium and heavy duty 'ladder tray' type products that rival the load bearing capacities of some cable ladders.

- Cable trays are aesthetic and are used in public areas.
- Cable trays are available in different colours to match with the building fabric.
- Cable Tray has a single sheet of metal. Many cable trays have slot patterns,which makes it easy to position equipment and fasten cable ties and other fixings.
- Suitable for light electrical and instrumentation cables and tubing.
- The bottom coverage reduces electromagnetic interference, and the perforations enable water drainage and ventilation.
- Trays provide additional support and prevent cables from drooping, which could potentially damage the circuit's performance.
- Cable trays are the most aesthetically pleasing option. In buildings with no panelled ceiling, cable trays can be a great option for hiding cables whilst keeping them organised.
- Covers can be added to protect cabling against UV, snow/ice and vandalism.

Wall Mounting electrical power distribution control panel boards enclosures



Enclosure and door, mounting plate, lock system,
Gland plate, sealing gasket and fixing accessories.
Standard Configuration
Paint finish epoxy polyester powder coating textured finish
Color: RAL **7035**
Protection degree: IP **54** & **42**
Thickness:
Enclosure & door: Sheet steel **1**.5mm till size**2**mm.
Mounting p late:
Zinc-coated steel **1.5**mm till size **2.0**mm

شـــرح پروژه هایی که در این شرکت انجام شده است

نیروگاه ها:

۱.نیروگاه ۸ ماگاواتی استان لرستان

۲. نیروگاه ۴مگاواتی پتروتوس طاها (بجنورد)

۳.نیروگاه ۴مگاواتی ابرکوه

۴.نیروگاه ۴مگاواتی آشخانه

۵.نیروگاه خورشیدی انرژی توان همدان

۶.نیروگاه آدین بهتا نیروایساتیس

۷.شرکت طلوع شمس

۸.شرکت درنا دشت پگاه

۹.شرکت کاوش پیام ایساتیس

صنایع آهن وفولاد:

۱.شرکت سنگ آهن کویر

۲.شرکت فولاد خوش رنگ

۳.شرکت آریا جنوب

۴.شرکت فولاد محسن

کاشی:

۱.شرکت کاشی امین

۲.شرکت کاشی زمرد

۳.شرکت کاشی اورست

۴.شرکت کاشی ساناز

۵.شرکت کاشی ارچین

۶.شرکت کاشی احسان

۷.شرکت کاشی پرسپولیس

۸.شرکت کاشی خلیج فارس

۹.شرکت کاشی شمس

۱۰.شرکت کاشی دریا سرام

۱۱.شرکت کاشی درسا سرام

۱۲.شرکت کاشی سیمین سرام

۱۳.شرکت کاشی فیروزه سرام

۱۴. شرکت کاشی مسعود

۱۵.شرکت کاشی گرانول شهاب

۱۶.شرکت کاشی جواهر

صنایع کاغذ ومقوا:

۱.شرکت کاغذ کار الماس سبز

۲.شرکت کاغذ تیشو

۳.شرکت کاغذمدرن

۴.شرکت کاغذ پلاست هدیش ایساتیس

۵.شرکت کاغذ کارتن

صنایع غذایی وسایر:

۱.بیمارستان شهید صدوقی یزد

۲.بیمارستان فاطمه الزهرا مهریز

۳.شرکت صدر شیمی گستر

۴.شرکت آسان زیپ

۵.شرکت آجران

۶.شرکت صنعت سلولز رضا

۷.شرکت مهنام رایان ایساتیس

۸.شرکت آرد خوشه مهریز

۹. شرکت بهپود یزد

۱۰.شرکت پتروشیمی فورس

۱۱.شرکت آرد روشن یزد

۱۲.شرکت ساوین ماکارون

۱۳.شرکت پارس پلاست نگین زنده رود

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ارتباط با ما:

نشانی:

یزد: منطقه صنعتی تفت ۲ - شـــرکت آداک آروند

تلفن: ۰۳۵-۹۱۰۹۰۷۰۸

۰۹۱۳۶۷۱۵۷۲۰ (فـــروش)

۰۹۱۳۲۷۴۴۷۱۸ (ثنـــائـــی)