




# **FARAKOH COMPANY**

2013-14



In following introduction just some part of **FARAKOH** activities have been introduced. You can get the full information of this company via :

1- Official web site : [www.farakoh.ir](http://www.farakoh.ir)

2- E-mail : [info@farakoh.ir](mailto:info@farakoh.ir)

3- Telephone numbers : +98-21-88618316-20

4- FAX number : +98-21-88618238

5- Address : #5, Shabnam Dead End, Koulivand St., North Sheikhbahaei  
Mollasadra, Tehran - 1993753991, Iran



## Introduction

FARAKOH Electrical Manufacturer company was established and registered in 1996. The company started its career as sole agent of FRAKO GmbH in PFC capacitors. German high quality products, helped FARAKOH increase its market share considerably. Based on years of experiences and sales figures, FARAKOH managers have devised a plan to hit international markets. Within consequent years, its scope of work have been expanded. Many well-known companies have been interested in bilateral cooperation between them and FARAKOH. At this moment FARAKOH has got sole responsibilities for sales of 7 well-known companies' products in the area.

FARAKOH products are now installed in several different industries such as Gas, Oil & Petrochemical, Steel, Cement and Automobile, Textile, Communication companies, etc. FARAKOH has always honored with several awards for excellence of products and after sales services.

In first chapter of this introduction you will find some information about company scope of work, in second chapter there would be some information about its facilities, some of FARAKOH awards can be found in chapter three and finally FARAKOH sisters companies (KAVIR industrial group) have been introduced in last chapter. We are hopeful that the presented profile can create fruitful cooperation in future, with those who are in need of FARAKOH products.

1- Power Factor Correction

## Contents :

Chapter One - FARAKOH scope of work .....	1
1. Designing & manufacturing of L.V & M.V capacitor banks .....	2
Different industries sales shares in FARAKOH national projects (2008- 2012) .....	3
Different area sales shares in FARAKOH international project.....	3
2. Power quality analysis .....	4
3. Well reputable companies sole agency .....	5
 Chapter Two - FARAKOH facilities .....	 7
1. FARAKOH factory and its facilities .....	7
2. FARAKOH head office .....	8
 Chapter Three - FARAKOH certificates .....	 9
1. Quality certificates .....	9
2. Agency certificates.....	10
 Chapter Four - FARAKOH sister companies (KAVIR industrial group) .....	 11



## Chapter One - FARAKOH scope of work

FARAKOH activities can be categorized in 3 different fields as below :

- 1. Designing & manufacturing of L.V & M.V capacitor banks
- 2. Power quality analysis
- 3. Several reputable companies sole agent

### 1. Designing & manufacturing of L.V & M.V capacitor banks

This part is categorized as the most important and the most dominant part of FARAKOH activities. FARAKOH mostly receives its order by taking part in tenders. In some other cases, final clients order FARAKOH directly. Utilizing the most up to date technology with the latest standard version, help FARAKOH be a few steps ahead of its rivals in most tenders.





- FARAKOH abilities in manufacturing of capacitor banks can be briefly mentioned as below :



#### **a) Low voltage capacitor banks**

1. Capacitor banks without harmonic filter
2. Capacitor banks equipped with harmonic filter
3. Wall mounted capacitor banks up to 100 KVAR
4. Pole mounted capacitor banks
5. Customized capacitor banks

#### **b) Medium voltage capacitor banks**

1. Free standing capacitor banks from 3.3 KV up to 12 KV equipped with inrush or harmonic reactors
2. Substation capacitor banks from 12 KV to 400 KV, these galvanized steel structure banks are designed as outdoor open rack.

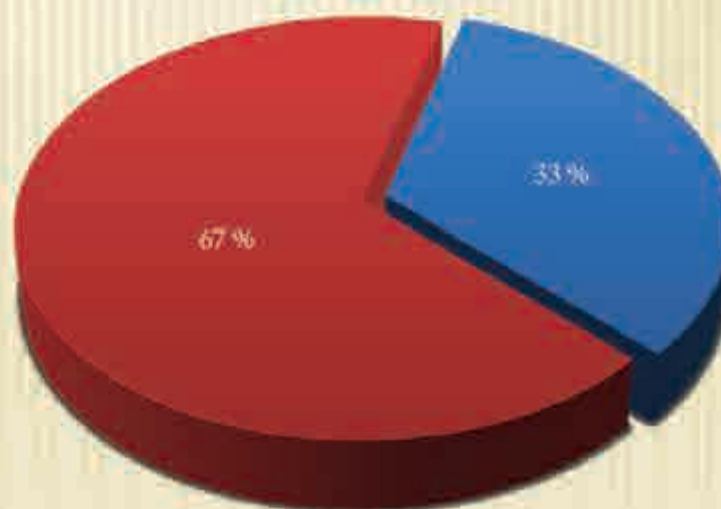
Different industries sales shares in FARAKOH national projects (2008-2012) :

- Regional Electrical Companies
- Oil, Gas & Petrochemical Industries
- Steel Industries
- Cement Industries
- Other Industries



● Different area sales shares in FARAKOH international projects :

- Africa
- Middle-East





## 2. Power quality analysis

Power quality analysis is one of the most important issues of recent industrial world. In recent decade, level of harmonics distortions increased, due to rapid growth of non-linear loads. Increase in value of harmonics levels are detriment to electrical equipment such as transformers, cables and capacitors. Strong correlation between increasing the level of harmonics levels and resonance phenomenon drove FARAKOH to play an active role in this activity. After years of study and research, FARAKOH has become one of the greatest companies in field of power quality. At the moment, lots of firms, factories, hospitals, substations, etc. invite FARAKOH experts to analyze their network power quality and benefit from its scientific solutions.





### 3. Well reputable companies sole agency

Superior quality of FARAKOH products and its comprehensive after sales service, helped FARAKOH gain an excellence reputation in Middle East market. Along the lines of these improvements, many other well-known companies have interested in mutual cooperation with FARAKOH. At the present time FARAKOH is the sole agent of following companies :

1. **Manufacturing licensee** of low voltage capacitor units, reactive control relays, iron cores reactor and energy management systems of FARAKO Co. (Germany - 1928)



[www.frako.com](http://www.frako.com)

2. Low voltage (single phase) capacitor units, medium voltage capacitor units and energy management systems of DUCATI Co. (Italy - 1926)



[www.ducatienergia.it](http://www.ducatienergia.it)

3. Fuse and fuse switches of EFEN Co. (Germany - 1922)



[www.efen.com](http://www.efen.com)

4. Encoders and shaft encoders of WACHENDORFF Co. (Germany - 1978)



[www.wachendorff.com](http://www.wachendorff.com)

5. Full L.V component range of LOVATO Co. (Italy - 1922)



[www.lovatoelectric.com](http://www.lovatoelectric.com)

6. Harmonic reactors of ELEKTRA Co. (Turkey - 1977)



[www.elektra.com.tr](http://www.elektra.com.tr)

7. **Manufacturing licensee** of L.V & M.V circuit breakers of VITZRO Co. (Korea - 1955)



[www.eng.vitzrotech.com](http://www.eng.vitzrotech.com)

8. Active filters of ABLEREX Co. (Taiwan - 1995)



[www.ablerex.com.tw](http://www.ablerex.com.tw)

9. Capacitor contactors of RADEKONCAR Co. (Macedonia - 1948)



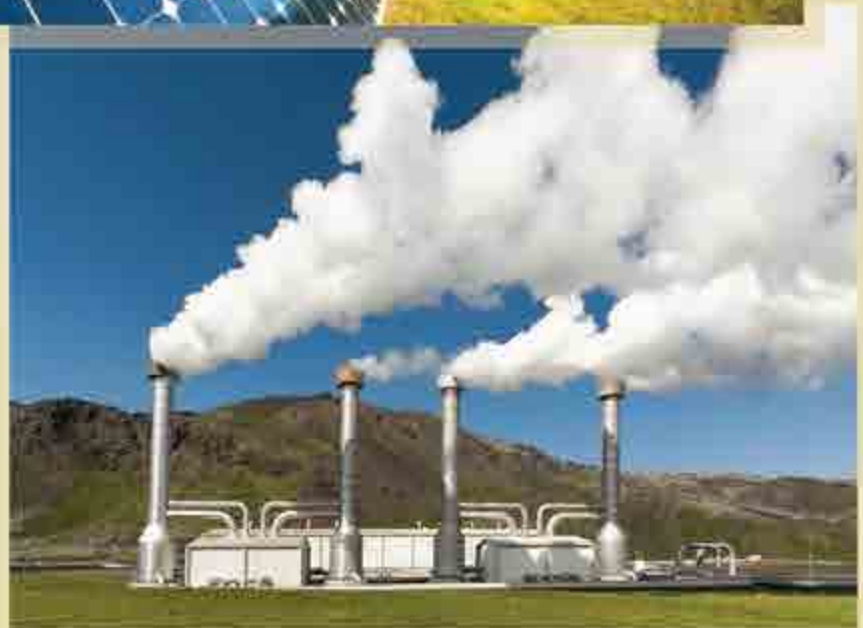
[www.koncar.com.mk](http://www.koncar.com.mk)



### ● **FARAKOH other activities**

The following fields of activity have been recently motivated **FARAKOH**:

1. Designing and manufacturing SVC<sup>1</sup> systems
2. Green energies



<sup>1</sup> Static Var Compensator



## Chapter Two - FARAKOH facilities

FARAKOH infrastructure undergoes lots of changes during its activities expansions. Staff members have increased up to 8 times greater than commencement of FARAKOH career. Over 32 sales agents distribute FARAKOH products over the entire country. Possessing two factories with the total of  $18800\text{m}^2$  and also owning head office of about  $700\text{m}^2$  in Tehran are just some other evidence of FARAKOH developments. Present chapter deals with the following issues :

1. FARAKOH factory and its facility
2. FARAKOH head office

### 1. FARAKOH factory and its facilities

FARAKOH factories have been located in Yazd industrial zone in 2 sites. One of the factories has been built in an area for about  $8500\text{m}^2$  and the other is  $10300\text{m}^2$ .

FARAKOH first factory



FARAKOH second factory - utilizable since June, 2013



FARAKOH low voltage test apparatus



Pole Mounted manufacturing line



## 2. FARAKOH head office

FARAKOH head office comprises of managing division, sales & marketing division, technical division, financial division, commercial division and administrative division.





## Chapter Three - FARAKOH certificates

- **FARAKOH** certificates can be divided in 2 main categories :

## 1. Quality certificates

- RWTUV Germany 2003
- RWTUV Germany 2004
- Parsian company - Syria and Niger Project







- Sole agency and licensee of FRAKO Co.
- Sole agency and licensee of VITZRO Co.
- Sole agency of DUCATI ENERGIA Co.
- Sole agency of WACHENDORFF Co.
- Sole agency of ABLEREX Co.
- Sole agency of EFEN Co.
- Sole agency of ELEKTRA Co.
- Agency of LOVATO Co.







## Chapter Four - FARAKOH sister companies (KAVIR INDUSTRIAL GROUP)



### 1. ELECTRO KAVIR Co. (1983)

ELEKTRO KAVIR company is an L.V & M.V switchgear manufacturer under license of SIEMENS company. ELECTRO KAVIR products are as below :

- Medium voltage withdrawable switch board up to 36KV
- Low voltage withdrawable switchgear up to 7400A

<http://www.electrokavir.com>

### 2. PARS KAVIR ALBORZ Co. (1997)



PARS KAVIR ALBORZ now acts in following fields :

- Official distributor of LEGRAND (France) equipment
- Official agency of lighting & industrial bus duct from ZUCCINI (Italy)
- Official agency of anti expulsion equipment of GENERI (Czech) & CORTEM (Italy)

<http://www.parskavir.com>

### 3. RTC Co. ( Reliable Trading Company - 1999)



RTC company has offices in UAE (Dubai), Iran & Oman and the company mainly acts as trading company in following fields :

- Information technology
- Steel industry equipment
- Oil industry equipment

<http://www.rtc-llc.com>

### 4. LENA Co. (2001)



LENA company is a switchgear & bus ducts manufacturer produces the following type :

- Manufacturer of lighting & industrial switchgear under license of LEGRAND (France)
- Compact medium voltage switchgear under license of R.B (Italy)
- Fixed type medium voltage switchgear
- Withdrawal low voltage & medium voltage switchgear
- L.V & M.V & lighting bus ducts produced by LENA

<http://www.lenayazd.com>



## 5. PARS KAVIR ARVAND Co. (2002)



PARS KAVIR ARVAND provides :

- Industrial charger
- UPS (of the brand CHOLORIDE)

<http://www.parskavir.com>

## 6. CARAN GHODRAT Co (2006)



CARAN GHODRAT company is provider of line and substation equipment.

- Sole agent of CROMPTON GREAVES - Indian / British (Multinational) in Iran & M.V & H.V equipment
- Sole agent of TCI (China) for Polymeric L.A, insulators & cut out fuses
- Agent of HANONE ELECTRIC (Korea) for pad mounted transformers

<http://www.cgy.ir>

## 7. ENERGY KAVIR PAYA Co. (2008)



This is an EPC company. Other activities of this company are :

- Automation
- Substation equipment
- Solar equipment

<http://www.energykavir.com>