



PHASECO 
INCORPORATED

OUR COMPANY

Power Factor Correction and Harmonic Filter Systems

Who We Are

In 1978 Phaseco, Inc. was founded in Dallas, Texas and subsequently moved to Houston to meet the strong need for power factor correction and harmonic filter equipment, construction and engineering services. Since then Phaseco has developed an excellent reputation for professionalism, quality installations and equipment, and customer satisfaction throughout the Gulf Coast. During the succeeding years Phaseco continued to expand to include projects throughout the USA as well as International projects.

Who We Serve

Phaseco, Inc. offers the highest quality engineering, equipment, and installation services to fit any customer's requirements. Our extensive experience makes us uniquely qualified to serve many heavy industries, including oil and chemical refining, pulp and paper producers, mining, steel, shipbuilding, aerospace, governmental, institutional, electrical utilities and a wide range of manufacturing environments.

Oil & Chemical Refining

Offshore Drilling

Brewery

Aerospace

Pulp & Paper

Shipbuilding

Steel

Technology

Airports & Aviation

Office Towers

What We Do

Phaseco offers innovative, creative and responsive solutions for power factor correction and harmonic filter requirements up to 230 kV. Our firm meets our clients' diverse challenges, and we base our reputation on our willingness to do whatever it takes to make sure our clients' needs are not only met but exceeded!



Oil & Chemical Refining



Offshore Drilling



Brewery



Aerospace



Pulp & Paper



Shipbuilding



Steel



Technology



Airports & Aviation



Office Towers

ENGINEERING

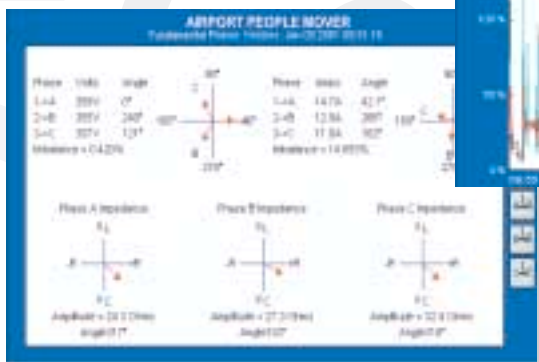
Power Systems Engineering

Engineering Services

Engineering studies are recommended for new facilities prior to selecting the appropriate power factor correction or harmonic filtering equipment and for existing facilities when experiencing electrical distribution problems either within the facility or with the utility. Phaseco's engineers use sophisticated hardware and software to analyze the facilities power system. The results of these studies are used to verify the compatibility of recommended equipment to insure the overall reliability of the system.

"Phaseco did a fantastic job of documenting our harmonic filter requirements and that led us to revamp several aspects of how we handled our project."

Power System Studies
Power Factor Studies
Harmonic Analysis
Harmonic Filter Design



Our continued investment in advanced technology enables us to utilize the latest predictive software that provides the most advanced solutions available

EQUIPMENT

Power Factor Correction and Harmonic Filter Equipment

*"When you get
the results
you need,
we've done
our job."*

Phaseco, Inc. represents GE/Ultravar, for the State of Texas, Ultravar offers a complete line of 240, 480, 600 vac and 2.4 - 5 kV motor, static and automatic power factor correction equipment. We also design and build 5-35 kV metal enclosed fixed and automatic power factor correction equipment.

Our Power Factor Correction Products Include:

- 240-600 vac Fixed and Automatic Units
- 240-600 vac Active Power Factor Correction Units
- 2.4 – 5 kV Static and Motor Capacitor Units
- 5-35 kV Metal Enclosed Fixed and Automatic Units
- 5-230 kV Open Frame Substation Assemblies
- Static Var and Thyristor Controlled Units
- Standard Pole Mounted Equipment



Motor Starting Electric Utility



15 KV Substation Automatic



15 KV Automatic



240-480 & 600VAC Automatic



5-35 KV Metal Enclosed



Static Substation Assemblies

EQUIPMENT

Power Factor Correction and Harmonic Filter Equipment

Phaseco, Inc. custom designs and builds harmonic filters and traps for applications through 230 kV. These include standard single frequency notch filters, multi-frequency filters, high pass filters, "H" Type filters and other types based on the individual project requirements. We employ the latest system modeling software to ensure our filters are compatible with the existing electrical system ensuring reliable and trouble free operation.

Our Harmonic Filter Products Include:

- 240-600 vac Fixed and Automatic Filters
- 240-600 vac Active Harmonic Filters
- 5-35 kV Metal Enclosed Fixed and Automatic Filters
- 5-230 kV Open Frame Substation Filters
- Static Var and Thyristor Controlled Filters
- Double Pole Mounted Utility Filters



Iron Core Reactor



5th & 7th High-Pass Filter



5TH Harmonic Notch Filter



5th, 11th & 23rd Harmonic Filter



5th & 7th "H"-Type Filter



Double Pole Utility Filter

SERVICES

Installation & Construction Services

"The installation process was professional, safe and right on schedule. Everything fit perfectly and preformed better than we had anticipated."

Phaseco, Inc. combines a broad range of resources and knowledge to coordinate all aspects of any power factor correction or harmonic filter project. Combining extensive experience and service with the highest quality products, our company is able to provide worry-free single source turn-key systems and installations.



Co-Generation



Utility Filter



Refining



Steel Forging



Plastic Manufacturing



Heavy Oil Production

SERVICES

Installation & Construction Services

Phaseco's capabilities are supported by our team of experienced professionals who together bring our customers a powerful package of technical and material resources unmatched in the industry.

From concept to installation and operation, our staff provides system design and problem solving for both power factor and harmonic filter applications.

"Hiring a specialized company to handle our harmonic problem was a first for us. Had I known the scope of time and cost savings that was possible I would have worked with Phaseco much sooner."



Battery Manufacturing



138 KV Utility



Chemical Complex



Shipbuilding



Pulp & Paper



North Slope Alaska

Partial Customer List

Refining & Petro-Chemical

Amerada-Hess
Amoco
ARCO Petrochemical
Aristech, Inc.
Aftonia
BP Oil (Alaska)
Chevron Oil
Conoco Inc.
Contrina (Venezuela)
Dow Chemical
Dupont, Corp.
Enichem Elastomers
Enterprise Products
Fina Chemical Corp.
Fina Petroleum, Inc.
First Chemical, Corp.
Geon Corporation
Gulf Chemicals
Haltermann Chemical
ICI America
Interox Inc.
Lyondell-Citgo
Marathon Petroleum
Merichem Industries
Mobil Oil
Monsanto
Occidental Chemical
Ocensa, Corp.
OXY Cities Services
Petrolite, Corp
Petrozuata Venezuela
Phillips Petroleum
Quantum Chemical
Rhône-Poulenc
Resinall, Inc.
Solvay Polymers
Star Enterprises
Sterling Chemical
Texaco Industries
Warren Petroleum

Engineering Firms

BE & K Engineering
Bechtel Inc.
Brown & Root
ECC International
Electro Test, Inc.
Fluor Daniel, Inc.
Foster Wheeler
GE Engineering Svc.
I.A. Naman
Jacobs Engineering
John Brown Eng.
Litwin Engineering
M. W. Kellogg
Parsons S. I. P.
Raytheon, Inc.
S & B Engineers
Stone & Webster
Stubbs-Overbeck Inc.
Texas A & M Eng.
TCB Engineering
Tivenca International
VECO Engineering

Manufacturing

Acme Brick Company
AirCo Carbon
American Steel Bldgs.

Avery Dennison
Azrock Industries
BAE Automated
Baker Hughes Inc.
Bayshore Industries
Bowen Oil Tool Co.
Butler Manufacturing
Carbomedics
Chemical Line
Combustion Eng.
Container Corporation
Courtaulds Coatings
DOMCO Industries
ESCO Inc.
Garrett Aviation
Goodman Mfg.
Gulf & Western
Halter- Marine
Heritage Plastics Inc.
Hickham Industries
Hol-Mac Corp.
Ingalls Shipbuilding
International Paper
J. M. Huber Corp.
Johnson Controls
Landell Corporation
Lampson & Session
Louisiana- Pacific
Midwest Steel
NL Industries
National Starch
Paymaster Oil Mill
Port of Houston
Printpak Corp.
Prism Products
Revak Turbo
Reynolds Aluminum
Russell Stanley
Sematech
Sewell Plastics
Sonoco Products Co.
Tabulating Systems
Texas Industries
Trane Corp.
United Plastics
Universal Tubular
Vulcan ICA
Western Container

Harmonic Filters

Ameriforge Inc.
American Thermo.
Ansaldò- Ross- Hill
AT&T
Bayshore Industries
Better Bags Inc.
BICC Utility Cable
BMC Software Tower
BP Oil (Alaska)
CEMEX
Chase Tower
Continental Plastic
DOW Chemical
Dresser Monoflo
EL Campo Aluminum
Enichem Elastomers
ETHYL Corporation
Fina Oil
GE- Aircraft
GE Engineering

GE- World Source
GNB Battery
Graham Packaging
Greenway Plaza
Gulf Chemical
Heritage Plastics Inc.
Hyperion Project
I Shell Plaza
II Shell Plaza
Industrial Holding
International Paper
Interstate SW Forge
Kock Pipeline
Koppel Steel
Motorola, Inc.
Occidental Chemical
Ocensa, Inc.
One Houston Center
Petrozuata
PG&E/Bechtel Corp.
Plastipak Packaging
Powertec (Mexico)
Printpak, Corp.
Quality Tubing
Quantum Chemical
Reliant Energy
Schlumberger
SECO Power
Simpro
Solvay-Interox
Southwestern Bell
Tex-Trude, Inc.
Texas Polymer Svc.
Texberry Container
The Clorox Company
Toshiba International
TRANSCO
Tubular Services, Inc.
Union Camp Corp.
Varco- Schaffer
WFI International
Wiley Labs

Hospitals

Bayshore Medical
Cypress Fairbanks
Hays Memorial
Hospital Corp.
M. D. Anderson
Memorial Hospital
MS State Hospital
Singing River Hosp.
UTMB Galveston
VA Hospital- Biloxi
VA Hospital- Gulfport

Governmental

Air National Guard
City of Houston Aviation Dept.
Coastal Water Auth.
Energy Systems Lab.
Harris County
Lee College
MS State Hospital
Naval Port-Pascagoula
Port of Houston Auth.
Seabee Base-Gulfport
Stennis Space Center
Texas Woman's Univ.
VA Hospital-Gulfport

VA Hospital-Biloxi
Washburn Tunnel

Office Towers

American General
American National
Amoco Production
Century Development
First City Tower
Gateway Properties
Greenway Plaza
Guest Quarters Suite
Hamptons
Hines Interest
Holiday Inn
Horne Company
Hyatt Regency
IBM-Two Riverway
Insignia Group
Inter-Continental
Lincoln Properties
Marathon Oil Tower
Marriott Hotels
Moody Rabin Interest
One Houston Center
Paragon Group
PM Realty Gp.
Portway Plaza
Premisys Realty
Senterra Development
Shorenstein Company
Sigma Realty Group
Southwestern Bell
Texas Southern
The Tipton Group
TPMC Realty
Transwestern Prop.
Wyndham Hotel
Yancey-Hausman

Food Processing

Amber Milling
Anheuser-Bush Inc.
Bordens Incorporated
Coca-Cola Foods
Forest Packing
Frito Lay Inc.
Grocers Supply Inc.
Hormel Corporation
Maxims Eggs
Pepsi Cola Company
Rice Food Markets
Randalls Foods
Schepps Dairy
Seven-Up Company
Tyson Foods
Uncle Ben's Rice
Wayne Farms

Electric Utilities

AES
Alabama Power Co.
Entergy
MS Power Company
Reliant Energy
Southern Companies
TXU
Wharton CO-OP



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