



PEPCO systems are designed to be fully automatic with built-in diagnostics. The system equipment and software are configured for easy expansion, advanced communications options and predictive maintenance options.

PEPCO provides complete documentation packages, replacing all existing schematics, wiring diagrams, junction box drawings, Operations Manuals, etc. The emphasis on off-the-shelf equipment selection, open system architecture and documentation makes the customer self-sufficient for future maintenance.

PEPCO Experience

- >> The PEPCO Systems are proven, running over 4,000 Megawatts of gas turbine power.
- >> Running - Control Houses, Sequencer Retrofits & Upgrades - Over 175 Pratt & Whitney Engines

Site/Project	Description	System Type
AEL&P, Auke Bay, Alaska	FT4-All Liquid Fuel Power Pac	Seq
Higginsville, Missouri	FT4-A9 Dual Fuel Twin Pac - Digital Fuel Controls	Seq & FC
Higginsville, Missouri	69kV Switchyard Dead Bus Re-Sync Control, Y2K Upgrade,	SCADA
Egypt 1	FT4-C3F Dual Fuel Power Pac	Seq
Egypt 2	FT4-C3F Dual Fuel Power Pac - Complete Control House	Seq
UNC / TPM - San Jose	FT4-C I Liquid Fuel Twin Pac (2)	Seq
Philadelphia Electric / EXELON	Chester Station -- FT4-AS Liquid Fuel Power Pac (3)	Seq & FC
Philadelphia Electric / EXELON	Southwark Station -- FT4-AS Liquid Fuel Power Pac (3)	Seq & FC
Philadelphia Electric / EXELON	Eddystone Station -- FT4-AS/A6 Liquid Fuel Power Pac (4)	Seq & FC
TPM / Long Island Lighting	Barret Station -- FT4-A9 Dual Fuel Twin Power Pac	Seq
UNC/Brazil	C3F Twin Pac (Quantum CPU - Symax IO) (Unit Updated & Moved from Ecuador)	Seq
UNC/Brazil	C3F Power Pac (Quantum CPU - Symax IO) (Unit Updated & Moved From Ecuador).	Seq
Philadelphia Electric / EXELON	Delaware Station -- FT4-A9 Liquid Fuel Power Pac (2)	Seq & FC
Philadelphia Electric / EXELON	Delaware Station -- FT4-AS Liquid Fuel Power Pac (2)	Seq & FC
Philadelphia Electric / EXELON	Moser Station -- FT4-A9 Liquid Fuel Power Pac (3)	Seq & FC
Philadelphia Electric / EXELON	Falls Station -- FT4-A9 Liquid Fuel Power Pac (3)	Seq & FC
Virginia Power / Dominion	FT4-A9 Liquid Fuel Power Pac (2) - Digital Fuel Controls	Seq & FC
Wood Group Pratt & Whitney - Conectiv	FT4-AS, A9 Liquid Fuel Power Pac (2)	Seq
Elizabethtown Water Company	GG3 Worthington Liquid Fuel Power Pac (I) - Digital Fuel Control	Seq & FC
Senelec Africa - Dakar	FT4-C3F Dual Fuel Power Pac (Quantum CPU - Symax 110)	Seq
PSE&G	FT4-A9 Twin Pacs - Nox Abatement Water Injection (24 Engines)	HPWI
Cambridge, MA	Water Injection System, FT4-AS Power Pac (2)	HPWI
Jet Turbine Service, Inc.	FT4 Test Stand Control & Data Acquisition System - Digital Fuel Control	FC
Philadelphia Electric / EXELON	Schuykill Station -- FT4-A9 Liquid Fuel Power Pac (2)	Seq & FC
Jamaica Public Service	Bogue Station -- FT4-A9 Liquid Fuel Power Pac (3)	Seq
Jamaica Public Service	Bogue Station -- FT4-C3F Liquid Fuel Power Pac	Seq
Cascades Paper	FT4-A8 Liquid Fuel Power Pac (2)	Seq
Owatowana	FT4-A8 Gas Fuel Power Pac	Seq
Northwestern Public Service - Huron SD	FT4-C3F/A9 Dual Fuel Twin Pac	Seq
Wood Group Pratt & Whitney	FT4-C3F Liquid Fuel Power Pac	Seq
Keyspan / National Grid	GG3 Worthington --Dual Fuel Twin Pacs (S) - Power Augmentation Fog Systems	FOG
Keyspan / National Grid	FT4-C1 & C1D Dual Fuel Twin Pacs (10) - Power Augmentation Fog Systems	FOG
Keyspan / National Grid	East Hampton - Power Pac	Seq & FC
Mirant	Dickerson Station Power Pac (post - overspeed destruction)	Seq & FC
PG&E	Chula Vista Worthington Double Expander - DLN, FOG, New control building	Seq & FC
PG&E	Escondido Worthington Double Expander - DLN, FOG, New control building	Seq & FC



Site/Project	Description	System Type
Vulcan Amps NRG - CT Jet Power NRG Astoria Conectiv Conectiv Conectiv Conectiv Premier Turbines TP&M / Wellhead Electric Israel Electric Company Northwestern Public Service - Huron SD Exelon Higginsville, Missouri	Baji, Iraq Mobile Power Pac Six (6) Power Pac - SCADA WAN, fuel control, speed relay, ISO auto dispatch Twin Pacs - Sequencer, fuel controls, AVR Carls Corner - HPWI 2 Worthington Double Expander Cedar Station - HPWI 1 Twin Pac, 1 Power Pac Middle Station - HPWI 2 Power Pacs, 1 Worthington Double Expander Missouri Station - HPWI 3 Power Pacs FT4 Test Stand Control & Data Acquisition System - Digital Fuel Control Panoche site - Sequencer upgrade (Unit moved from Brownsville) Ceasarea - Power Pac Sequencer Upgrade FT4-C3F/A9 Dual Fuel Twin Pac Vibration Monitor Upgrade (21 FT Power Pacs - Unit control upgrades listed above) City-wide SCADA system Controlling six (6) generators and three (3) substations (Total of 70MW, a 50MW FT4 previously entered above) FT4-A9 Liquid Fuel Power Pac FT4-C3F Power Pac Fuel Control Upgrade Twin Pacs - Sequencer, fuel controls, AVR Cos Cob, CT Five (5) Power Pac Seq, FC, SCADA, HPWI Resited J Twin Pal<, J Power Pac, & I Mobile Pal< FT4-C3F Power Pac Fuel Control Upgrade Automatic Voltage Regulator Upgrade Automatic Voltage Regulator Upgrade Delaware City Fuel Control Upgrade (Existing PEPCO Digital Sequencer upgraded)	Seq & FC FC & SCADA Seq & FC HPWI HPWI HPWI HPWI FC Seq Seq Seq & FC FT4 Vibration
NRG - Devon Station Nova Scotia Power Ghana NRG Jets CT Newmont / Dacon - Ghana Nova Scoria Power Nova Scoria Power NRG Somersett, MA Conectiv	FT4-A9 Liquid Fuel Power Pac FT4-C3F Power Pac Fuel Control Upgrade Twin Pacs - Sequencer, fuel controls, AVR Cos Cob, CT Five (5) Power Pac Seq, FC, SCADA, HPWI Resited J Twin Pal<, J Power Pac, & I Mobile Pal< FT4-C3F Power Pac Fuel Control Upgrade Automatic Voltage Regulator Upgrade Automatic Voltage Regulator Upgrade Delaware City Fuel Control Upgrade (Existing PEPCO Digital Sequencer upgraded)	Seq & FC FC Seq Seq,FC,SCADA,HPWI Seq,FC,HPWI FC AVR AVR FC

Under Construction

Site/Project	Description	System Type
National Grid / Keyspan National Grid / Keyspan Conectiv Conectiv	HWPI for five (5) CI Twin Pal<s (10 engines) Barrett Station Unit II Twin Pal< Upgrade - Seq, FC West Substation - Power Pal< A-8 Edgemoor - (Existing PEPCO Digital Sequencer upgraded)	HPWI Seq, FC Seq, FC FC

- Seq** - Digital Sequencer Upgrade (**all upgrades include a SCADA system and almost all include a new AVR and Auto synchronizer**)
- FC** - Digital Fuel Controls Upgrade
- HPWI** - High Pressure Water Injection System for NOx and Opacity reduction
- SCADA** - WAN system with monitoring and/or remote control (some systems have auto dispatch from ISO)
- AVR** - AVR (Automatic Voltage Regulator) only upgrade