

# Certificate

The below mentioned sales-/serviceman has participated in the following training course(s).

The training courses have given the participants sufficient knowledge on standard APC Silcon products to represent APC in the best possible way in the field.

## Courses on UPS Systems:

### Basic:

Practical service training on how to operate, commission and do basic trouble-shooting on APC Silcon products.

### Advanced:

Practical advanced service training on how to:

- calibrate
- identify and exchange faulty units
- advanced trouble-shooting

### Update:

Update course on all APC Silcon UPS Products

## Courses on Software:

### Theoretical:

Theoretical training on UPS Management and connectivity products:

- design philosophy
- functionality
- product range
- configuration possibilities
- installation methods

### Practical:

Practical training on how to operate, commission and do basic trouble-shooting on UPS management and connectivity products

### Practical advanced:

- configure UPS management and connectivity products
- identify and exchange faulty units
- perform advanced trouble-shooting

### Silcon DP100E

Service Training Basic   
Service training Advanced

### Silcon DP300E

Service Training Basic   
Service Training Advanced

### Silcon DP300BC

Service Training Basic   
Service Training Advanced

### Silcon DP300C

Service Training Basic   
Service Training Advanced

### Update

### Software and UPS management and connectivity

Theoretical   
Practical   
Practical advanced

VALID Thru

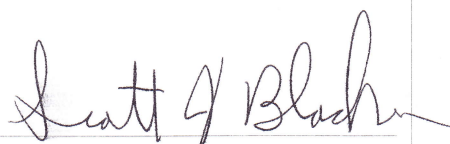
27-MAY-99

17.05.99

Date

Wayne Cliff

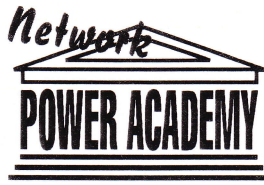
Participant



Service Engineer

**APC**<sup>®</sup>  
AMERICAN POWER CONVERSION

APC Denmark A/S  
Silcon Allé  
6000 Kolding  
Denmark  
Tlf. +45 75 54 22 55  
Fax: +45 75 54 27 89  
Http: www.apcc.com



# SERVICE TRAINING CERTIFICATE

## APC Silcon™ Series & Symmetra® Power Array™

- Basic Service Training
- Basic Update Service Training
- Advanced Service Training
- Advanced Update Service Training
- Annual Service Training

Valid until 15 months after completion date

August 10, 2000

Patrick Jarrett  
Name

Gruber Power Services  
Company

William Shubert EP  
Service Trainer and place



American Power Conversion

# Authorized Service Center

## GRUBER INDUSTRIES

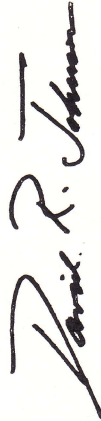
21429 N. 2nd Ave  
Phoenix, AZ 85027  
Service Center ID# 100268

This certificate attests to the recipient's qualifications to market APC Service Programs and to perform the following services:

Services	Back-UPS	Smart-UPS	Matrix
<input checked="" type="checkbox"/> Next Day On-Site Service	Supported	Supported	Supported
<input type="checkbox"/> Same Day On-Site Service			
<input type="checkbox"/> Installation/Removal			
<input type="checkbox"/> Battery Replacement			

December 29, 1993

Date



David R. Johnson, Service Programs Manager

**APC**<sup>TM</sup>  
AMERICAN POWER CONVERSION



American Power Conversion  
Certificate of Completion

is hereby granted to:

Bryant Personeus

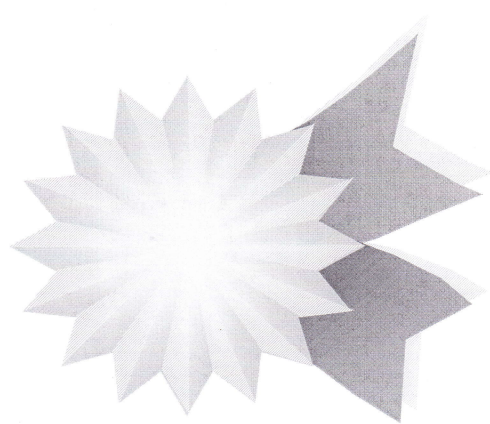
to certify that they have completed to satisfaction

*Hi Power Partner*  
*UPS Field Engineer*

*Granted: April 3, 1999*

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*Frank De Lacruz Silcon Trainer*





Best Power Technology, Inc.

THIS IS TO ACKNOWLEDGE THAT

John Long

HAS ATTENDED THE  
SERVICE TRAINING WORKSHOP FOR  
FERRUPS® UPS SYSTEMS

Frank O. Morrow  
Corporate Trainer

William Wickman  
Corporate Training Manager

Date June 16, 1995

# Technical Training

This is to acknowledge that

*Tim Gruber*

has attended the Service Training Workshop for

*Ferrups Maintenance*

*Frank Monroe*

Technical Trainer - Frank Monroe

*12/19/96*

Date



# Technical Training

This is to acknowledge that

**Wayne Cluff**

has attended the Service Training Workshop for  
**UNITY/ I Three-Phase Maintenance**

*Leon Heise*

Technical Trainer

*December 19, 1997*

Date



# UPS EDP 90 SERIES & SYNTHESIS CERTIFICATION

This is to certify that this individual,

**Wayne Cluff**  
Gruber Industries

has completed the Factory Authorized  
Service Training Program. The Program  
provides Field Service Training for  
Chloride Power Electronics.

  
INSTRUCTOR

9-18-98  
TRAINING  
COMPLETION DATE



# Certificate of Achievement

This certifies that

## Wayne Cluff

has satisfactorily completed a training program in the operation and maintenance of the EPS2000

February 21, 1996



*Bill Edwards*

Bill Edwards, Instructor

*Mark Reisinger*

Mark Reisinger, President

# Certificate of Achievement

This certifies that

## Wayne Cluff

has satisfactorily completed a training program in the operation and maintenance of the UPS4000

February 22, 1996



*Bill Edwards*

Bill Edwards, Instructor

*Mark Reisinger*

Mark Reisinger, President

# Certificate of Achievement

This certifies that

## Wayne Cluff

has satisfactorily completed a training program in the operation and maintenance of the EPS6000

February 23, 1996



*Mark Reisinger*  
Mark Reisinger, President

*Bill Edwards*  
Bill Edwards, Instructor

# Certificate of Achievement

This certifies that

## John Long

has satisfactorily completed a training program in the operation and maintenance of the EPS2000

February 21, 1996



*Bill Edwards*

Bill Edwards, Instructor

*Mark Reisinger*

Mark Reisinger, President

# Certificate of Achievement

This certifies that

## John Long

has satisfactorily completed a training program in the operation and maintenance of the UPS4000

February 22, 1996



*Bill Edwards*

Bill Edwards, Instructor

*Mark Reisinger*

Mark Reisinger, President

# Certificate of Achievement

This certifies that

## John Long

has satisfactorily completed a training program in the operation and maintenance of the EPS6000

February 23, 1996



*Bill Edwards*

Bill Edwards, Instructor

*Mark Reisinger*

Mark Reisinger, President

# Certificate of Achievement

This certifies that

# Bryant Petersoneus

has satisfactorily completed a training program in the operation and maintenance of the EPS2000

February 21, 1996



*Bill Edwards*

Bill Edwards, Instructor

*Mark Reisinger*

Mark Reisinger, President

# Certificate of Achievement

This certifies that

## Bryant Parsons

has satisfactorily completed a training program in the operation and maintenance of the UPS4000

February 22, 1996



*Bill Edwards*

Bill Edwards, Instructor

*Mark Reisinger*

Mark Reisinger, President



# Certificate of Achievement

This certifies that

## Bryant Bersoneus

has satisfactorily completed a training program in the operation and maintenance of the EPS6000

February 23, 1996



*Bill Edwards*

Bill Edwards, Instructor

*Mark Reisinger*

Mark Reisinger, President

# Completion Award

*This is to Certify that*

**Wayne Cluff**

*has successfully completed the*

**IPM Thyristor UPS Service Course**

*This the* **12th** *day of* **December** **19 96** *.*

**Professional Power Services**

*Gary Holman*

# Completion Award

*This is to Certify that*

**Bryant Personeus**

*has successfully completed the*

**IPM Thyristor UPS Service Course**

*This the* **12th** *day of* **December** **19 96** *.*

**Professional Power Services**

*Gary Holzman*

# Certificate of Attendance

UNINTERRUPTIBLE POWER SYSTEM  
MAINTENANCE SCHOOL


**Bryant J. Personneus**


Powerware System 80 - 150

March 17 - 21, 1997

*"Exceeding  
Customer's Expectations  
Through  
Service Excellence"*



  
Instructor

  
Training Supervisor



## *Certification of Training*

James Balre

*has successfully completed  
OSHA Safety training in  
the area of Electrical Safety  
and lockout / tagout hazards.*

Scott W. Ryan  
OSHA Representative

7-30-97  
Date of Completion





*Certification of Training*

Patrick Jarrett

*has successfully completed  
OSHA Safety training in  
the area of Electrical Safety  
and lockout / tagout hazards.*

*P. W. Ryan*  
OSHA Representative

7-30-97  
Date of Completion





*Certification of Training*

Bryant Persons  
has successfully completed  
OSHA Safety training in  
the area of Electrical Safety  
and lockout / tagout hazards.

Scott W. Ryan  
OSHA Representative

7-30-97  
Date of Completion





48 MM

Approved OMB Number 1219-0070, Expires December 31, 2007

This certificate is required under Public Law 91-173 as amended by Public Law 95-164. Failure to comply may result in penalties and other sanctions as provided by sections 108 and 110, Public Law 91-173 as amended by Public Law 95-164.

➔ Issue Certificate Immediately Upon Completion of Training

Serial Number (for operator's use)

1. Print Full Name of Person Trained (first, middle, last)

Jesse C Oliver

2. Check Type of Approved Training Received:

- Annual Refresher
- Experienced Miner
- Hazard Training
- New Task (specify below)
- Newly Employed, Inexperienced Miner
- Other (specify)

Date	Task	Initials		Date	Task	Initials	
		Instr	Studt			Instr	Studt

3. Check Type of Operation and Related Industry:

- A.  Surface
- B.  Coal
- Construction
- Metal
- Underground
- Nonmetal
- Shaft & Slope

4. Date Training Requirements Completed

Check if not completed and go to item 5, below.

16 hrs

➔ If completed, go to item 6, below.

5. Check Subjects Completed (use only for partially completed training):

- Introduction to Work Environment
- Hazard Recognition
- Emergency Medical Procedures
- H&S Aspects of Tasks Assigned
- Statutory Rights of Miners
- Self-Rescue & Respiratory Devices
- Transport & Communication Systems
- Roof/Ground Control & Ventilation
- Mine Map; Escapeways; Emergency Evacuation; Barricading
- Cleanup; Rock Dusting
- Mandatory Health & Safety Standards
- Authority & Responsibility of Supervisors & Miners' Representatives
- Health
- Electrical Hazards
- First Aid
- Mine Gases
- Explosives
- Prevention of Accidents
- Other (specify) **BBP/CPR**

6. False certification is punishable under section 110 (a) and (f) of the Federal Mine Safety & Health Act (P. L. 91-173 as amended by P. L. 95-164).

I certify that the above training has been completed (signature of person responsible for training)

*Anthony P. ...*

37721873

7. Mine Name, ID, & Location of Training (if institution, give name & address)

Gruber Power Services  
Phoenix Az

ARIZONA STATE MINE INSPECTOR  
1700 W. WASHINGTON, STE. 403  
PHOENIX, ARIZONA 85007

8. Date

I verify that I have completed the above training (signature of person trained)

10-29-08

*Jesse C Oliver*