

# **satin**AMERICAN

C O R P O R A T I O N

## **OVERVIEW**

SINCE 1920, SATIN AMERICAN, AN ENGINEERING BASED COMPANY, HAS CONTINUOUSLY SUPPLIED INTERNATIONAL INDUSTRY AND UTILITIES WITH REMANUFACTURED AND NEW CIRCUIT BREAKERS, SWITCHGEAR AND OTHER RELATED ELECTRICAL EQUIPMENT PRODUCTS AND SERVICES. – IT HAS SINCE THIS TIME BEEN PRINCIPALLY OWNED BY THE SATIN FAMILY.

## **SCOPE OF PRODUCTS AND SERVICES**

### **ELECTRICAL EQUIPMENT AND COMPONENTS:**

Commercial, Industrial, and Utility Classes up to 34.5 KV

### **EMERGENCY SERVICES:**

24/7 Response for Equipment Failures, Outages and all Replacement Parts and Equipment

### **LIFE EXTENSION AND UPGRADE SERVICES:**

Preventative Maintenance Service & Training Programs – Testing & Remanufacturing – Replacement, Spare & Retro-Fill Circuit Breakers – Vacuum & SF6 Replacement & Conversion Programs – Solid State Conversions, Replacements & Upgrades – Match-and-Lineup Equipment Extensions – I.C. Upgrade Programs

### **ENGINEERING SERVICES:**

New Equipment Designs – Modifications or Upgrades on Existing Equipment – Coordination, Short Circuit & Arc Flash Studies – Overcurrent & Infrared Testing

## **SALES REPRESENTATION**

SATIN AMERICAN IS REPRESENTED THROUGHOUT THE US AND CANADA BY AN ORGANIZATION OF MANUFACTURERS REPS. THESE REPRESENTATIVES ARE IN PLACE TO SUPPLY YOU WITH ON SITE SALES AND TECHNICAL SUPPORT.

40 OLIVER TERRACE - P.O. BOX 619 - SHELTON, CT 06484  
Tel: 877/356-5050 - [www.satinamerican.com](http://www.satinamerican.com) – [Sales@satinamerican.com](mailto:Sales@satinamerican.com)

# **satin**AMERICAN

C O R P O R A T I O N

## **PRODUCT SCOPE DETAILS**

### **AIR & OIL CIRCUIT BREAKERS:**

SALE OF NEW AND REMANUFACTURED BREAKERS COVERING UNITS  
MANUFACTURED SINCE 1940's

### **VACUUM CIRCUIT BREAKERS:**

SALE OF NEW, REMANUFACTURED, OR REPLACEMENT BREAKERS COVERING UNITS  
MANUFACTURED SINCE 1970's

### **SWITCHGEAR ASSEMBLIES:**

FURNISHING OF COMPLETE ASSEMBLIES FOR MATCH AND LINEUP, EMERGENCY OR NEW  
INSTALLATION USE

### **SOLID STATE TRIPPING SYSTEMS:**

FURNISHING OF SATIN AMERICAN ETC 12 TRIPPING SYSTEMS ALONG WITH FURNISHING  
OF SOLID STATE ASSEMBLIES MANUFACTURED BY: G.E., WEST., ITE, ABB, SIEMENS, FPE

### **MOTOR CONTROL EQUIPMENT:**

LV & MV CONTACTORS, STARTERS, BUCKETS, AND MOTOR CONTROL CENTER  
ADDITIONS/MODIFICATIONS

### **MOLDED CASE / INSULATED CASE CIRCUIT BREAKERS:**

REDBALL/ELECTRIC APPARATUS INC – SALE OF NEW AND REBUILT BREAKERS  
COVERING UNITS MANUFACTURED SINCE 1940's

### **VACUUM REPLACEMENT CIRCUIT BREAKERS OR CONTACTORS:**

FOR ALL MANUFACTURERS AIR AND OIL CIRCUIT BREAKERS & CONTACTORS

### **REPLACEMENT PARTS:**

FOR NEW AND OBSOLETE EQUIPMENT OF ANY TYPE LISTED, INCLUDING DEVICES,  
COMPONENTS, AND ASSEMBLIES, BUILT BY ALL AMERICAN MANUFACTURERS

### **CUSTOM COPPER & ALUMINUM BUSSING:**

NEW OR REPLACEMENT BUSSING FOR TRANSITION SECTIONS, TRANSFORMER  
CONNECTIONS, GROUND BUSSES, ETC.

40 OLIVER TERRACE - P.O. BOX 619 - SHELTON, CT 06484  
Tel: 877/356-5050 - [www.satinamerican.com](http://www.satinamerican.com) - [Sales@satinamerican.com](mailto:Sales@satinamerican.com)

# **satin**AMERICAN

C O R P O R A T I O N

## **EMERGENCY SERVICES**

### **CIRCUIT BREAKERS, SWITCHGEAR / SWITCHBOARDS, AND MOTOR CONTROL – COMPONENTS, ASSEMBLIES AND RELATED PARTS**

<b>CIRCUIT BREAKERS:</b>	AIR, OIL, VACUUM, MOLDED CASE, INSULATED CASE
<b>SWGR. / SWBD.:</b>	AIR, OIL, VACUUM, MOLDED CASE, INSULATED CASE
<b>MOTOR CONTROL:</b>	STARTERS, FEEDERS, ETC. USING, MOLDED CASE, INSULATED CASE OR SWITCHES
<b>PARTS REPLACEMENT:</b>	STRUCTURES AND/OR COMPONENTS FOR AIR, OIL, VACUUM, MOLDED CASE, OR INSULATED CASE

OUR IN HOUSE CAPABILITIES ALLOW US TO PROVIDE COMPLETE DESIGN, FABRICATION, TESTING AND CERTIFICATION OF ANY TYPE OF SWITCHGEAR AND OTHER EQUIPMENT CURRENTLY IN USE TODAY IN A MATTER OF HOURS TO WEEKS DEPENDING ON CUSTOMER NEED.

## **ENGINEERING SERVICES**

### **NEW EQUIPMENT DESIGNS:**

SPECIFICATIONS AND LAYOUTS FOR ANY ELECTRICAL EQUIPMENT

### **MODIFICATIONS OR UPGRADES ON EXISTING EQUIPMENT:**

ADDITIONS TO (MATCH AND LINEUP) AND/OR REARRANGEMENTS OF ANY ELECTRICAL EQUIPMENT FOR ADDITIONAL OR REVISED CIRCUITS, ALONG WITH NECESSARY CHANGES FOR RATING UPGRADES

### **COORDINATION, SHORT CIRCUIT & ARC FLASH STUDIES:**

FIELD & ENGINEERING SERVICES FOR PERFORMING AND SUBMITTAL OF ELECTRICAL SYSTEM STUDIES ALONG WITH RECOMMENDATIONS OF CORRECTIVE ACTIONS AND TRAINING AS NECESSARY

### **OVERCURRENT & INFRARED TESTING:**

FIELD SERVICES (PERSONNEL & DEVICES) FOR EQUIPMENT TESTING

40 OLIVER TERRACE - P.O. BOX 619 - SHELTON, CT 06484  
Tel: 877/356-5050 - [www.satinamerican.com](http://www.satinamerican.com) - [Sales@satinamerican.com](mailto:Sales@satinamerican.com)

# **satin**AMERICAN

C O R P O R A T I O N

## **LIFE EXTENSION AND UPGRADE SERVICES LOW VOLTAGE: 208 – 600V**

**TESTING AND REMANUFACTURE:** OF ANY CIRCUIT BREAKER IN USE

**REMANUFACTURING AND IC UPGRADE PROGRAMS:**

DESIGNED TO REBUILD – OR UPRATE – BOTH ELECTRICALLY AND MANUALLY OPERATED, AIR AND MOLDED CASE CIRCUIT BREAKERS WITH NO DOWN TIME

**SOLID STATE CONVERSION:**

OF EXISTING ELECTRO MECHANICAL OVERLOADS UTILIZING THE SATIN AMERICAN ETC.12 FAMILY OF TRIPPING SYSTEMS OR SOLID STATE DEVICES MANUFACTURED BY: GE, CUTLER-HAMMER (WEST.), ABB, OR SIEMENS

**ARC FLASH REDUCTION EQUIPMENT:**

*flashSAFE* SOLID STATE RETROFIT TRIPPING SYSTEMS AND CURRENT LIMITING FUSE UPGRADE PROGRAMS FOR L.V. AIR CIRCUIT BREAKERS

**SOLID STATE REPLACEMENT:**

UTILIZATION OF ETC.12 TO REPLACE EXISTING SOLID STATE ASSEMBLIES MANUFACTURED BY GENERAL ELECTRIC, WESTINGHOUSE AND SIEMENS

**RETRO-FILL PROGRAMS:**

TO REPLACE OLDER OR TROUBLESOME CIRCUIT BREAKERS WITH NEW PRODUCTION BREAKERS MODIFIED TO YOUR EXISTING SWITCHGEAR, THEREFORE THERE IS NO NEED TO MODIFY EXISTING CELLS

**MATCH AND LINEUP CAPABILITIES:**

TO EXTEND EXISTING METAL ENCLOSED SWITCHGEAR UTILIZING IDENTICAL CIRCUIT BREAKERS/SWITCHGEAR COMPONENTS, THIS ALLOWS FOR FULL INTERCHANGEABILITY WITH EXISTING CIRCUIT BREAKERS AND AVOIDS THE NEED FOR TRANSITION SECTIONS

**NEW CIRCUIT BREAKERS AND SWITCHGEAR:**

SUPPLY OF NEW CIRCUIT BREAKERS AND SWITCHGEAR TO CUSTOMER SPECIFICATIONS

**REPLACEMENT PARTS:**

SUPPLY OF REPLACEMENT COMPONENTS FOR ALL CIRCUIT BREAKERS AND SWITCHGEAR MANUFACTURED SINCE 1940's

40 OLIVER TERRACE - P.O. BOX 619 - SHELTON, CT 06484  
Tel: 877/356-5050 - [www.satinamerican.com](http://www.satinamerican.com) - [Sales@satinamerican.com](mailto:Sales@satinamerican.com)

# **satin**AMERICAN

C O R P O R A T I O N

## **LIFE EXTENSION AND UPGRADE SERVICES LOW VOLTAGE: 208 – 600V**

### **SPARE OR LOANER CIRCUIT BREAKERS:**

SUPPLY OF CIRCUIT BREAKERS FROM OUR STOCK TO ALLEVIATE THE NEED FOR THE REMOVAL OF CUSTOMER EQUIPMENT DURING THE PROJECT

### **FIELD CIRCUIT BREAKERS - GENERATOR / SYNCHRONOUS MOTOR:**

SUPPLY, REPAIR OR REMANUFACTURE FOR ANY EXISTING GENERATOR OR SYNCHRONOUS MOTOR FIELD CIRCUIT BREAKER

## **LIFE EXTENSION AND UPGRADE SERVICES MEDIUM VOLTAGE: 2.4 – 34.5 KV**

**TESTING AND REMANUFACTURE:** OF ANY CIRCUIT BREAKER IN USE

### **REMANUFACTURING PROGRAMS:**

DESIGNED TO REBUILD AIR CIRCUIT BREAKERS AND SWITCHGEAR WITH NO DOWN TIME

### **VACUUM REPLACEMENT PROGRAMS:**

FOR EXISTING AIR AND OIL CIRCUIT BREAKERS WITH CURRENT TECHNOLOGY – WITH HIGHER INTERRUPTING CAPACITIES IF NECESSARY

### **SF6 CONVERSION PROGRAMS:**

FOR EXISTING AIR AND OIL CIRCUIT BREAKERS WITH CURRENT TECHNOLOGY – WITH HIGHER INTERRUPTING CAPACITIES IF NECESSARY

### **MATCH AND LINEUP CAPABILITIES:**

TO EXTEND EXISTING METAL CLAD AND METAL ENCLOSED SWITCHGEAR UTILIZING IDENTICAL CIRCUIT BREAKERS AND SWITCHGEAR COMPONENTS, THIS ALLOWS FOR FULL INTERCHANGEABILITY WITH EXISTING CIRCUIT BREAKERS AND AVOIDS THE NEED FOR TRANSITION SECTIONS

### **GROUND AND TEST DEVICE PROGRAMS:**

SUPPLYING, REMANUFACTURING OR CONVERTING GROUND AND TEST DEVICES, WITH MANUAL OR ELECTRIC OPERATION AVAILABLE

40 OLIVER TERRACE - P.O. BOX 619 - SHELTON, CT 06484  
Tel: 877/356-5050 - [www.satinamerican.com](http://www.satinamerican.com) - [Sales@satinamerican.com](mailto:Sales@satinamerican.com)

# **satin**AMERICAN

C O R P O R A T I O N

## **LIFE EXTENSION AND UPGRADE SERVICES MEDIUM VOLTAGE: 2.4 – 34.5 KV**

### **NEW CIRCUIT BREAKERS AND SWITCHGEAR:**

SUPPLY OF NEW CIRCUIT BREAKERS AND SWITCHGEAR TO CUSTOMER SPECIFICATIONS

### **REPLACEMENT PARTS:**

SUPPLY OF REPLACEMENT COMPONENTS FOR ALL CIRCUIT BREAKERS AND SWITCHGEAR MANUFACTURED SINCE 1940's

### **BUS DETAILS:**

PROVIDE REPLACEMENT AND UPRATED BUS MODIFICATIONS, AS WELL AS CUSTOM GROUND BUS ASSEMBLIES

### **SPARE OR LOANER CIRCUIT BREAKERS:**

SUPPLY OF CIRCUIT BREAKERS FROM OUR STOCK TO ALLEVIATE THE NEED FOR THE REMOVAL OF CUSTOMER EQUIPMENT DURING THE PROJECT

40 OLIVER TERRACE - P.O. BOX 619 - SHELTON, CT 06484  
Tel: 877/356-5050 - [www.satinamerican.com](http://www.satinamerican.com) - [Sales@satinamerican.com](mailto:Sales@satinamerican.com)

# **satin**AMERICAN

C O R P O R A T I O N

## **LIFE EXTENSION AND UPGRADE SERVICES MOTOR CONTROL ASSEMBLIES**

### **TESTING AND REMANUFACTURE:**

OF ANY MEDIUM VOLTAGE STARTER OR LOW VOLTAGE BUCKET

### **REMANUFACTURING PROGRAMS:**

DESIGNED TO REBUILD EXISTING MEDIUM VOLTAGE STARTERS OR LOW VOLTAGE BUCKETS WITH NO CUSTOMER DOWN TIME

### **VACUUM CONVERSION: MEDIUM AND LOW VOLTAGE STARTERS**

### **MATCH AND LINEUP CAPABILITIES:**

TO EXTEND EXISTING MOTOR CONTROL CENTERS UTILIZING IDENTICAL COMPONENTS, THIS ALLOWS FOR FULL INTERCHANGEABILITY WITH EXISTING STARTERS AND AVOIDS THE NEED FOR TRANSITION SECTIONS

### **NEW CIRCUIT BREAKERS AND SWITCHGEAR:**

SUPPLY OF NEW MOTOR CONTROL ASSEMBLIES TO CUSTOMER SPECIFICATIONS

### **REPLACEMENT PARTS:**

SUPPLY OF REPLACEMENT COMPONENTS FOR LOW VOLTAGE AND MEDIUM VOLTAGE CONTACTOR ASSEMBLIES MANUFACTURED SINCE 1940's

### **SPARE COMPONENTS:**

SUPPLY SPARE CONTACTORS, STARTERS, AND BUCKETS FROM OUR STOCK TO ALLEVIATE THE NEED FOR THE REMOVAL OF CUSTOMER EQUIPMENT DURING A PROJECT

40 OLIVER TERRACE - P.O. BOX 619 - SHELTON, CT 06484  
Tel: 877/356-5050 - [www.satinamerican.com](http://www.satinamerican.com) - [Sales@satinamerican.com](mailto:Sales@satinamerican.com)