



# STORY OF S&S POWER

**1975**



Inception of S&S by Sethuraman & Shanthanakrishnan based in Chennai

**1978**



Porur factory commissioned, Started commercial production of : Pantograph type & switching isolators for EHV systems (66KV to 400KV)

**1981**



Vacuum circuit breaker was introduced for the first time in India (collaboration with brush switchgear)

**1984**



MV SF6 manufacturing started in collaboration with brush switchgear

**1986**



Porcelain clad vacuum CB for 11kV & 33kV developed and introduced

**1989**



Introduced miniature circuit breaker in collaboration with AEG Germany

**1990**



Acquisition of S&S by the Jalan group

**1995**



Setup a joint venture with Top Rank in Kualalumpur in Malaysia for manufacturing MV switchgear in TNB Malaysia

**1996**



Pondicherry state of the art disconnector works established, Acquisition of acrastyle UK

**2000**



Hived off LV & MCB business to schneider, Hived off LV & MV fuse business to Cooper Bussmann

**2006**



Exited joint venture in Kolalampur Malaysia, Set up AIPL

**2009**



Set up AEPS for Maglatch manufacturing & export

**2011**



Established JV with coelme for disconnector product promotion

**2016**



Shifted the headquarters of S&S Power to the sprawling 50,000 Sq. feet integrated multi model facility in Maraimalai nagar

**2018**



Major plans of expansion of product range and geography

**2019**



Global product range RD145G has been registered & approved by ENA(UK), SAP B1 implemented.

**2020**



Developed 40KA indoor VCB HHV12 PRIME to service contract from MAPS

**2021**



S&S PSE Unit-II has been set up in Maraimalai nagar, Chennai

# S&S POWER PRODUCT OFFERINGS

## HIGH VOLTAGE DISCONNECTOR / ISOLATOR

S&S Power offers a wide range of disconnectors ranging from 12kV to 550kV. We have supplied more than 50,000 nos of disconnectors to all major utilities in India & World wide. Our disconnectors are designed as per IEC 62271-102 standards.

### CENTRE BREAK



Rated voltage : 12 kV to 550 kV  
 Rated continuous current : 400A to 4000A  
 Rated short-time withstand current : 25kA to 63kA for 1sec / 3 seconds

### PANTOGRAPH



Rated voltage : 123 kV to 550 kV  
 Rated continuous current : 400A to 3150A  
 Rated short-time withstand current : 50 kA r.m.s for 1 sec with 125kA peak

### DOUBLE BREAK



Rated voltage : 12 kV to 420 kV  
 Rated continuous current : 400A to 4000A  
 Rated short-time withstand current : 63kA for 1sec

### VERTICAL BREAK



Rated voltage : 12 kV & 72.5 kV  
 Rated continuous current : 400A to 3150A  
 Rated short-time withstand current : 25kA/3 sec, 31.5kA/3sec

## R3 SERVICES

- Retrofit
- Refurbishment
- Rejuvenation
- Automation services
- Engineering services
- Training & assessment
- Asset management
- Modernization of HV substation
- Warranty & non warranty services



## DISCONNECTOR R3 SERVICES OFFERINGS

S&S Power has developed the R3 service for high voltage disconnectors.

- 1) Mid life extension
- 2) Mechanical to Electrical ganging
- 3) Motorisation of old product
- 4) Reconditioning insulator
- 5) Enabling smart drive box
- 6) Mechanical interlock enhancement
- 7) Performance rating upgrade

## CONVERSION OF MECHANICAL GANG TO ELECTRICAL GANG



## MV SWITCHGEAR R3 SERVICES OFFERINGS

- 1) Replace AIR, OIL, SF6 by Vacuum Truck / Cassette
- 2) Upgrade panel by close door operation safety kit
- 3) Servicing of existing component in panel chambers such as CT, cable etc and vermin proofing
- 4) Increase the current carrying capacity of busbar & VCB

40kA Breaker retrofit : We recommend to replace the existing SF6 breaker, oil breaker & air breaker with new vacuum circuit breakers in order to ensure the safe and reliable operation of your switchgear



Existing ABCB Type - DBH 10M 600

Retrofit VCB Type - HHV12 PRIME

## PROTECTION & CONTROL PANEL R3 SERVICES OFFERINGS

We offer to make your existing relays safe, efficient & reliable with new technical features. We offer retrofit of electromechanical to digital relays.

- 1) Engineering services
- 2) Protection design services
- 3) Relay commissioning and testing
- 4) Relay co-ordination
- 5) Factory automation in LV side of electricity delivery
- 6) Protection architect consultancy
- 7) Power system, Industrial & Machine automation services



## MV CIRCUIT BREAKER & SWITCHGEARS

We offer a full line of Indoor switchgear & outdoor circuit breakers with voltage range up to 36kV & current range up to 2500A. We have supplied more than 20,000 nos of circuit breaker & switchgears to all major utilities in India & World wide.

### OUTDOOR CIRCUIT BREAKER

#### OFVP12



Rated voltage : 12kV  
 Normal rated current : up to 2000A  
 Short circuit breaking capacity : 25kA

#### OFVP36



Rated voltage : 36kV  
 Normal rated current : up to 2000A  
 Short circuit breaking capacity : 25kA

### INDOOR SWITCHGEAR

#### HHV12



12kV  
 630A - 1600A  
 31.5kA/3s

#### HHV36



36kV  
 upto 2000A  
 25kA

#### HHV12 PRIME



12kV  
 800A - 2500A  
 40kA/3s

## PROTECTION & CONTROL PANEL

Our group company APIL Designs, Manufactures and offers different types of Control , Relay and Protection panels up to 420 kV level to the Esteemed customers in India and abroad

- ★ Remote Tap Changer panel
- ★ VCB panel
- ★ GIS LCP
- ★ Annunciator panel
- ★ SAS panel
- ★ Gateway panel
- ★ Network panel
- ★ Telecommunication panel
- ★ Protection panel
- ★ Control panel
- ★ RTU & SER
- ★ Protection & control panel for :
  - 1) GT
  - 2) EHV/HV
  - 3) Line
  - 4) Trap
  - 5) Busbar
  - 6) Capacitor bank







### **S&S POWER SWITCHGEAR LIMITED**

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