

POWER | PROCESS AUTOMATION | STATIC AND DYNAMIC WEIGHING

The Power of Integration



Subtleweigh Electric (India) Pvt. Ltd.

www.subtleweighelectric.com



Company at a glance

Subtleweigh Electric (India) Pvt. Ltd. is a Weighing & Automation Enterprise. We at SWEIPL believe in providing optimum technology and innovative solutions to our clients for their project execution.

SWEIPL was founded in 2003 and has its factory cum office in Kolkata, India. From stand alone industrial components to enterprise wide integrated systems our resilient solutions have proven themselves across a wide range of industries and in some of the most demanding manufacturing environments. The company has earned an enviable reputation of having installed & commissioned hundreds of challenging projects for reputed clients in the Subcontinent through its state of the art manufacturing unit at Kolkata, India; that ensures adherence to quality.

The company has large workshops for systems construction, software development, prototyping & integrated testing. We are in Technical Collaboration with SAET, Italy and even we have our own R&D department to expand the use of their Static & Dynamic Weighing Systems respectively in industrial automation application. If you think out of the box & want to push the boundaries of excellence we are your preferred destination for Power, Industrial Weighing & Automation Solutions.

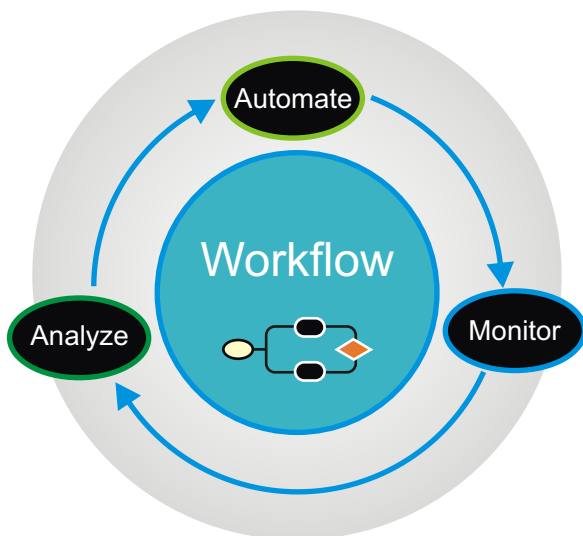
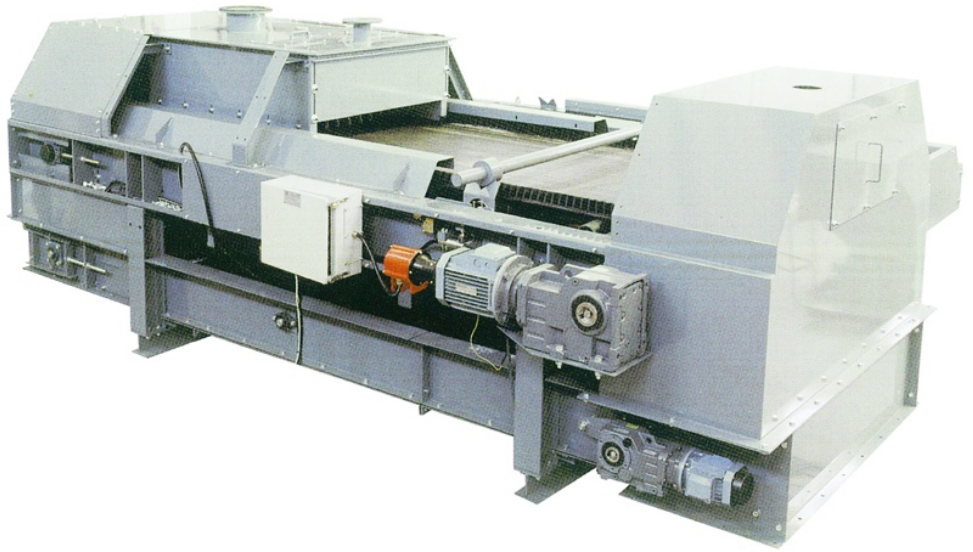
Moving in Sync ...

Moving in sync. with the growing need of the industrial customers for static and dynamic weighing, process automation and controls and power solution, SWEIPL integrates its products & services into an industrial activity in the following business segments where the company has assumed responsibility for turnkey projects :

Static and Dynamic Weighing

Our vast experience in industrial weighing, dosing and mixing systems pays rich dividends in the form of a basketful of offerings based on advanced design of load cell application, connected to a flexible & modular microprocessor unit for measurement & regulation of the weighing equipment.

Considering the total requirements of the system, we can offer the customer the most suitable product or solution taking into account material specifications, the handling requirements & plant layout.



Process Automation

Industrial process automation deals primarily with the automation of manufacturing, quality control and material handling processes. The aim of process automation is to meet the company's need to produce goods safely, in a cost-effective manner, with high and consistent quality and in the appropriate quantities to meet market demand.

Since its inception SWEIPL has dedicated itself to combine process engineering expertise, reliable components and field-proven technology to deliver high end and effective process automation to its clients, giving careful attention to their specific needs.

Power

Power substations are the key element for transmission and distribution of electric power. SWEIPL has complete know how to build and upgrade power substation up to 132 KV. Our customers benefit in receiving the most economical application fulfilling their requirements on delivery time and quality.



- ♦ Complete design of substation up to 132 KV from the layout of the YARD to the design of the auxiliary services and systems of protection and control.
- ♦ Electromechanical assembly of HV equipments.
- ♦ Substations Automation System as per IEC 61850 Communication standard.

Quality Management

Our product portfolio includes a complete spectrum of advanced products & solutions in measuring & process technologies in industrial weighing, feeding, automation & power. Simply put we are there with the right solution when and where our customers need us. Building on the customers' ideas SWEIPL is able to engineer and provide integrated solutions & support to them in their development phases of a project. The phases of an integrated supply are as follows :



Overall Design of the System to be Supplied

- ◆ Definition of the functional specifications
- ◆ Process flow and scope of supply
- ◆ Evaluation and costing of all the phases

Operating Design

- ◆ Detailed definition of the equipment required and the interface.
- ◆ Development of the process control software of the system.
- ◆ Development of software for Level 1 (HMI), Level 2 (MES) and ERP integration solution.
- ◆ Development of the specific interface with higher level.

Equipment Manufacture and Installation

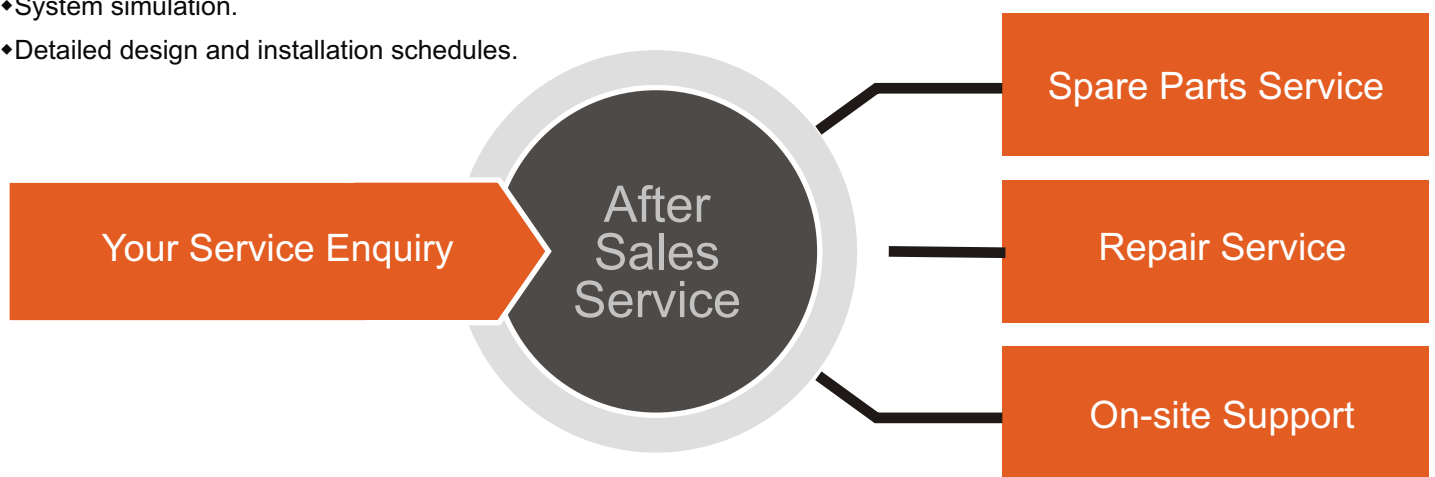
- ◆ Launch of production and monitoring of progress.
- ◆ Coordination of the suppliers with periodic checks based on the scheduling.
- ◆ Test of single equipment based on specific functions.
- ◆ System simulation.
- ◆ Detailed design and installation schedules.

Installation Service and training

- ◆ Equipment installation.
- ◆ Cable routine and I/O control.
- ◆ Commission and test.
- ◆ Training of technicians and engineers for normal operational maintenance.
- ◆ Training of technicians and engineers for reprogramming and updating.

After Sales Services

- ◆ Repair / Replacement of Component
- ◆ Annual Maintenance Contracts



Motor Control Center (MCC)



Our Motor Control Centre boards are characterized by standardization of the modules in order to define the final configuration with high flexibility and with the possibility to modify the configuration even after installation. Besides the standard design of MCCs, we have designed and engineered state-of-the-art new generation of MCC (Smart MCC), that caters to the demanding need of communication and supervisions in modern industries , thereby giving the users not just a panel but a complete solution.

Constructional Features:

- ◆We provide right, sure and certified solutions with reduced space and easy maintenance.
- ◆Complete Bolted Structure.
- ◆CNC aided Fabrication.
- ◆Fabricated out of 2 mm CRCA Sheets.
- ◆Powder Coated using 9-Tank pre-treatment Process.
- ◆CPRI Certified for Short Circuit Withstand Strength (65kA), Temperature Rise and Ingress Protection Level (IP:55).
- ◆Available upto 5000A Current Rating.
- ◆Easily extendable on either sides.
- ◆Available in both Single Front and Double Front.
- ◆Bottom Cable Entry.
- ◆Spacious arrangement for cable termination and requisite support for cable routing.

Power Control Center (PCC)



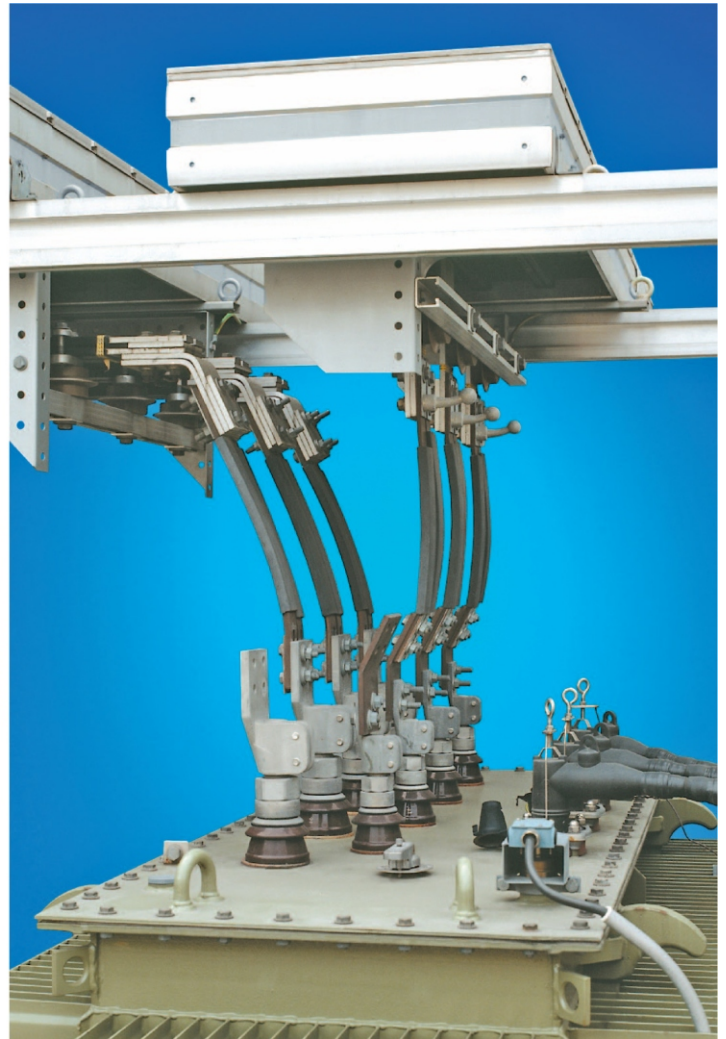
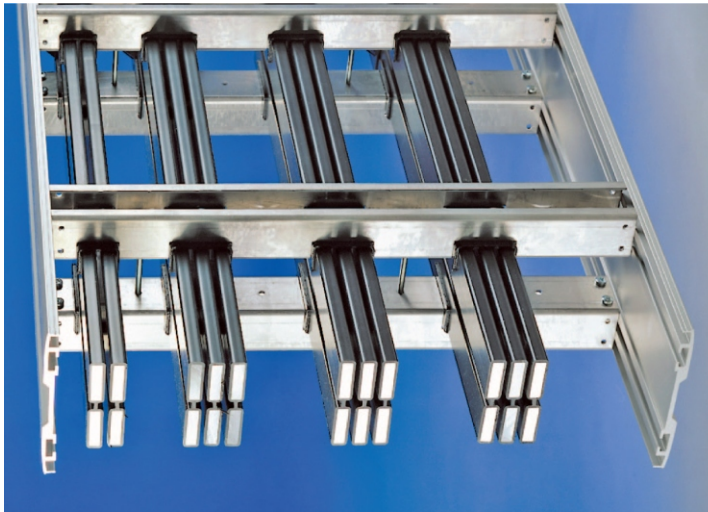
Modular enclosures, constructed as fully type tested assemblies conforming to all relevant standards.

Features :

- ♦Complete Bolted Structure.
- ♦CNC aided Fabrication.
- ♦Fabricated out of CRCA Sheets.
- ♦Powder Coated using 9-Tank pre-treatment Process.
- ♦CPRI Certified for Short Circuit Withstand Strength (65kA), Temperature Rise and Ingress. Protection Level (IP:55).
- ♦Easily expandable on all three dimensions.
- ♦Available in both Single Tier and Double Tier based on availability of space in control room.
- ♦Bottom cable entry.
- ♦Spacious arrangement for cable termination and requisite support for cable routing.



Bus Duct



A wide range of our bus duct systems are on offer for low voltage application such as power transmission from the transformer to low voltage switchgears and between switchgear sections. The bus bar is usually made up of Aluminum or Copper but can sometimes also be Tin coated. To negate the effect of thermal expansion and vibrations flexible connections are provided at the transformer end. The connections are pre installed on the bus duct at our Works.



Flexible Bus Bars

Salient Features :

- ♦ 3 phase, 4/3 wire bus bars housed in a common metallic Al/MS enclosure.
- ♦ Bus bars supported on FRP insulators.
- ♦ Fixed/Modular in construction.
- ♦ Rigid to withstand short circuit.
- ♦ Degree of Protection :
 - IP 55 – for outdoor
 - IP 54 – for indoor
- ♦ Easy and quick to install.
- ♦ Reliable and High Degree of personal safety.

Drive Panel



No matter how complex and powerful the Drive System you need, SWEIPL has full capability and necessary know how to provide its customers harmonized and coordinated solutions with various digital communications options.

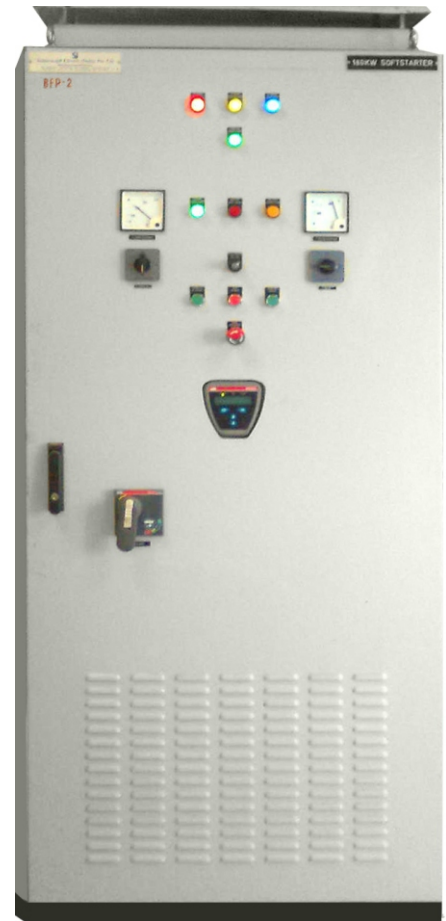
SWEIPL offers a wide range of segment and application specific solutions ranging from simple applications such as pump to HVAC to demanding applications such as rolling mills.



SWEIPL can provide integrated solutions with :

- ♦ Low Voltage AC Drives.
- ♦ Medium Voltage AC Drives.
- ♦ DC Drives.

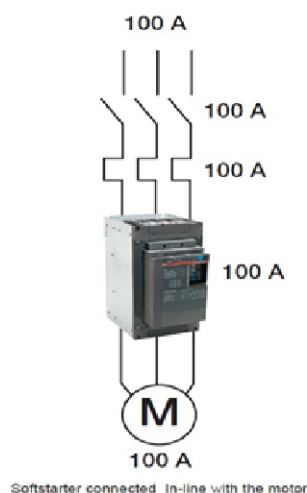
Soft Starter Panel



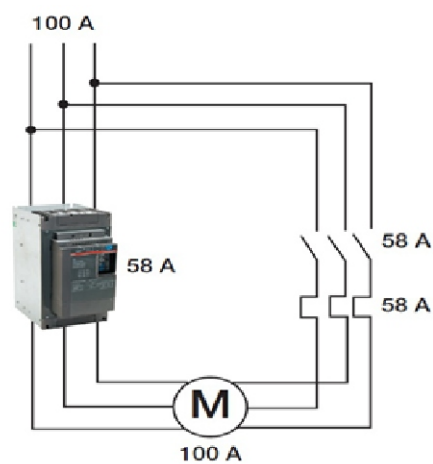
A soft starter has different characteristics in comparison to the other starting methods. It has thyristors in the main circuit, and the motor voltage is regulated with a printed circuit board. The soft starter makes use of the fact that when the motor voltage is low during start, the starting current and starting torque is also low. During the first part of the start the voltage to the motor is so low that it is only able to adjust the play between the gear wheels or stretching driving belts or chains etc. In other words, eliminating unnecessary jerks during the start.

Gradually, the voltage and the torque increase so that the machinery starts to accelerate. One of the benefits with this starting method is the possibility to adjust the torque to the exact need, whether the application is loaded or not. In principle the full starting torque is available, but with the big difference that the starting procedure is much more forgiving to the driven machinery, with lower maintenance costs as a result. Another feature of the soft starter is the soft stop function, which is very useful when stopping pumps where the problem is water hammering in the pipe system at direct stop as in star-delta starter and direct-on-line starter.

The soft stop function can also be used when stopping conveyor belts to prevent material from damaging the belt when the belts stop too quickly.

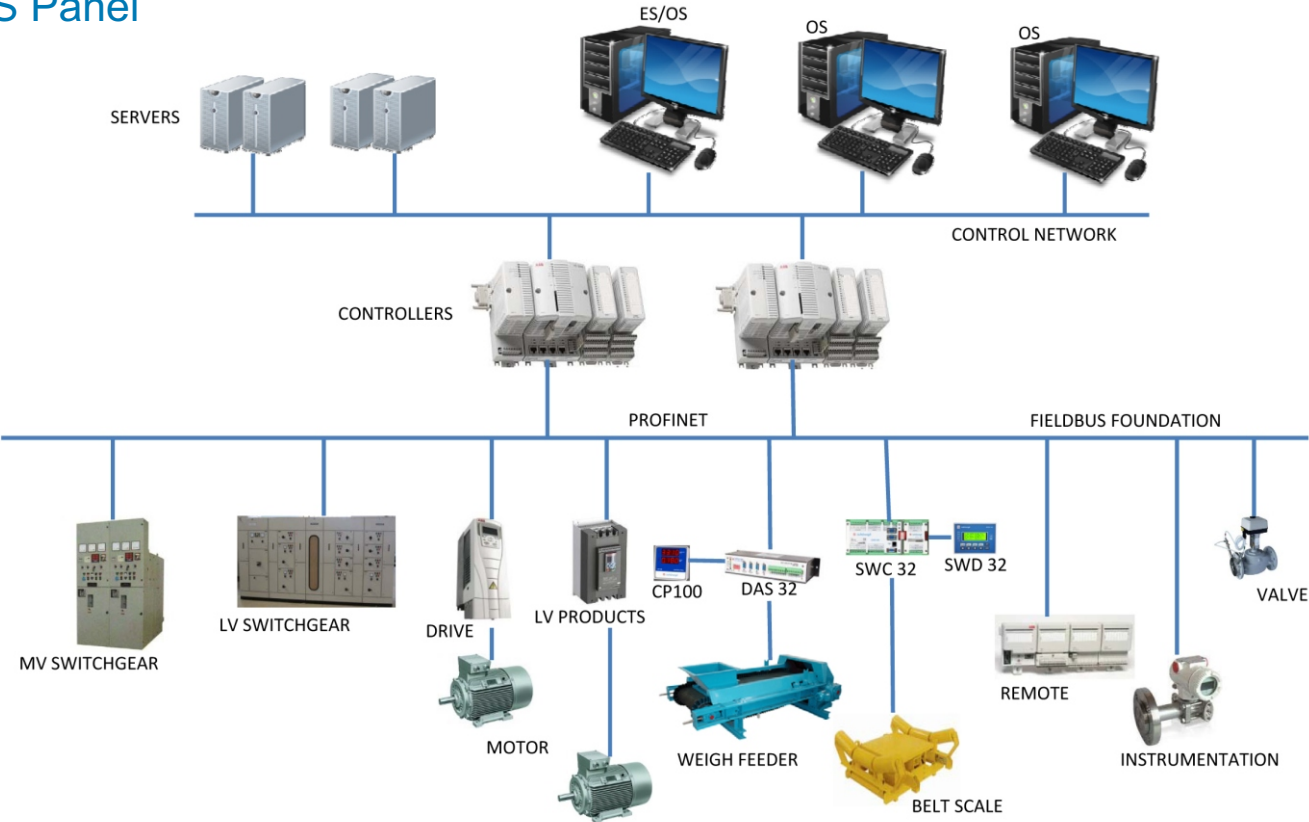


Softstarter connected in-line with the motor



Softstarter connected inside Delta

DCS Panel

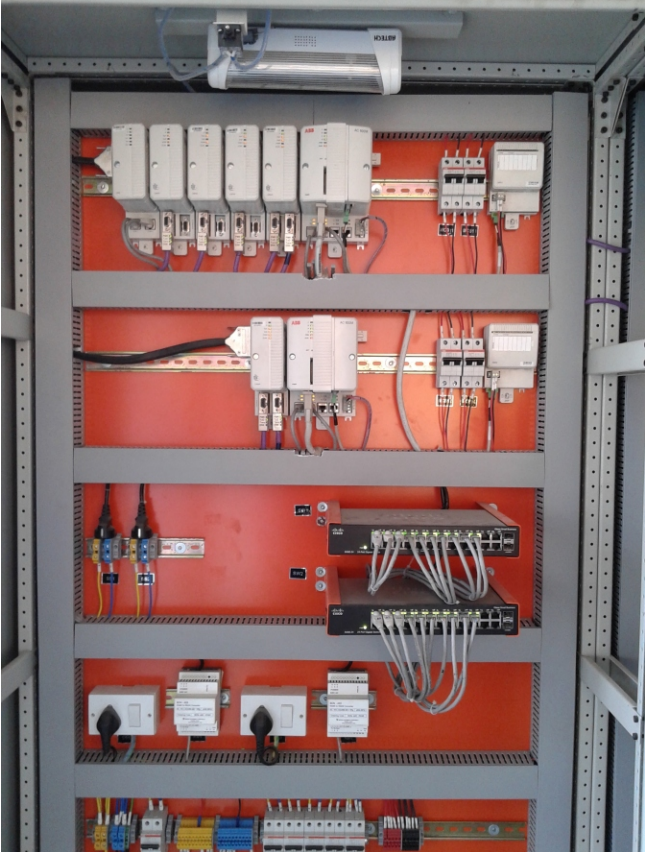


Subtleweigh's unified approach combines process control, process electrification and power management

A distributed control system (DCS) is a control system for a process or plant, wherein control elements are distributed throughout the system. This is in contrast to non-distributed systems, which use a single controller at a central location. In a DCS, a hierarchy of controllers is connected by communications networks for command and monitoring.

Example scenarios where a DCS might be used include :

- ♦Chemical plants.
- ♦Petrochemical (oil) and refineries.
- ♦Boiler controls and power plant systems.
- ♦Nuclear power plants.
- ♦Pellet plants.
- ♦Water management systems.
- ♦DRI Plant.



DCS System



Lighting Distribution Panel

SWEIPL is providing Lighting Panels for your system illumination with manual as well as automatic control. Automatic control provides 24 hours on/off schedule of your lighting system with very high operation reliability and high degree of personal safety.



Types of LDB provided by us:

- ◆MLDB (Main Lighting Distribution Board)
- ◆SLDB (Sub Lighting Distribution Board)
- ◆ELDB (Emergency Lighting Distribution Board)
- ◆ESLDB (Emergency Sub Lighting Distribution Board)

Automatic Power Factor Correction and Harmonic Filtration System

Contactor Switched APFC Panel

SWEIPL is a leading supplier of high-technology solutions that deliver optimized power quality for low voltage networks by reducing harmonic disturbances and improving power factor. The contactor switched APFC panel is a powerful and compact automatic capacitor bank that provides the ideal power factor correction (PFC) solution for industrial and commercial networks.

Advantages of Contactor Switched APFC Panel :

- ♦Modular in construction.
- ♦Low losses.
- ♦High Life Cycle.
- ♦Reliable and safe.
- ♦Unaffected by harmonics.
- ♦Suitable for hot environments with maximum ambient operating temperature of +60°C.
- ♦Fitted with an overvoltage/under voltage protection and protection against harmonic distortion (THDV).

LCD display with indication of :

- ♦Inductive/capacitive PF
- ♦ Active outputs
- ♦ Demand for switching on/off a capacitor step
- ♦ Alarm conditions
- ♦Over temperature condition
- ♦Capacitor disconnection



Key parameters :

Voltage, current, power factor, THDV and THD

Automatic setting of :

- ♦Phase shift
- ♦Switching delay
- ♦Number of outputs
- ♦Type of switching sequence

Easy commissioning with automatic recognition of :

- ♦Special connections (single-phase, CT leads)
- ♦Number of outputs
- ♦Type of switching sequence

Automatic/manual mode



Thyristor Switched APFC Panel

The Thyristor based APFC Panel is the perfect selection in applications where transient-free switching is required. The thyristors are fired at the natural zero crossing of the capacitive current. As a result, capacitors are connected to the network without transients. The control is such that only complete alternations of the current are allowed. This ensures that no harmonics or transients are generated by the APFC panel.



Advantages of the Thyristor Switched APFC Panel :

- ♦ Ultra-rapid power factor compensation
- ♦ Reduction of voltage drops
- ♦ Transient free switching
- ♦ Very high number of switching operations
- ♦ Modular and compact standardized design
- ♦ Easy to install and extend
- ♦ Advanced communication features with Modbus
- ♦ Power steps from 100 to 400 kvar
- ♦ Up to 32 power steps with CAN control bus
- ♦ Harmonics absorption
- ♦ Micro-processor based controller
- ♦ Network measurements, including harmonics
- ♦ Direct connection up to 690V

IGBT based Real Time Reactive Power Compensator :

IGBT based power compensator shall be connected at the LV level in an installation allowing for the power quality improvement by supplying smooth & step-less reactive power instantaneously. IGBT based static synchronous compensator is a voltage regulating device. It is based on a power electronics voltage-source converter and can act as either a source or sink of reactive power. It detects and instantly compensates for voltage fluctuations or flicker, as well as controls power factor. As a fully controllable power electronic device, the IGBT based power compensator is capable of providing both capacitive and inductive VARs.



Advantages of the IGBT based Real Time Reactive Power Compensator :

- ♦ Power factor control
- ♦ Voltage regulation
- ♦ Independent phase control
- ♦ Flicker reduction
- ♦ Active harmonic filtering (application specific)
- ♦ Low & high voltage ride through
- ♦ Modular in design and hence easy to expand
- ♦ Very fast response as compared to the conventional Thyristor type compensator.

Active Harmonic Filters

Active filters are the ultimate answer to tough power quality problems caused by harmonics, load unbalance and reactive power demand. Active filters provide harmonic mitigation, load balancing and step-less reactive power control for inductive and capacitive loads. The active filter shall be able to filter simultaneously at least 15 / 20 individual harmonic components individually programmable in a frequency range from the 2nd to the 50th harmonic.



Advantages of the Active Filter :

- ◆Filters up to 20 harmonics simultaneously
- ◆Filters up to the 50th harmonic
- ◆Harmonic attenuation factor better than 97%
- ◆Operates with closed loop control for best accuracy
- ◆Has a programmable filtering strategy and free choice of harmonics selection
- ◆Auto-adaptation to network impedance changes
- ◆May filter without generation of reactive power/load balancing
- ◆May generate reactive power and control power factor
- ◆Fault and event logging with real time stamp
- ◆Top or bottom cable entry
- ◆Easy commissioning auto-detection of CT polarity and installed phase
- ◆Does not require special CTs
- ◆Optical fiber isolation between power and control stages
- ◆Advanced programmable digital I/O interface
- ◆Modbus RTU communication compatible
- ◆May balance the load current across the phases

HT Capacitor Bank with Filter

In transmission systems, reactive power is needed to maintain the voltage to deliver active power. A lack of reactive power leads to an inefficient use of the electrical network and results in voltage sags, overloaded transformers, lines, cables, etc. In industry, motor loads and other electrical loads require reactive power to convert electrical energy into useful work. SWEIPL has the perfect solution to improve the power quality of electrical network.

Our offering includes installation, testing & commissioning of the system & associated equipment such as :

- ◆HT capacitor bank
- ◆Series Reactor
- ◆Isolator
- ◆Lightening Arrestor with surge counter
- ◆RCT/NCT
- ◆Interconnecting material
- ◆Elevating Structure
- ◆HT Breaker (Indoor/outdoor type)
- ◆Control & Relay Panel



Neutral Ground Resistor (NGR)

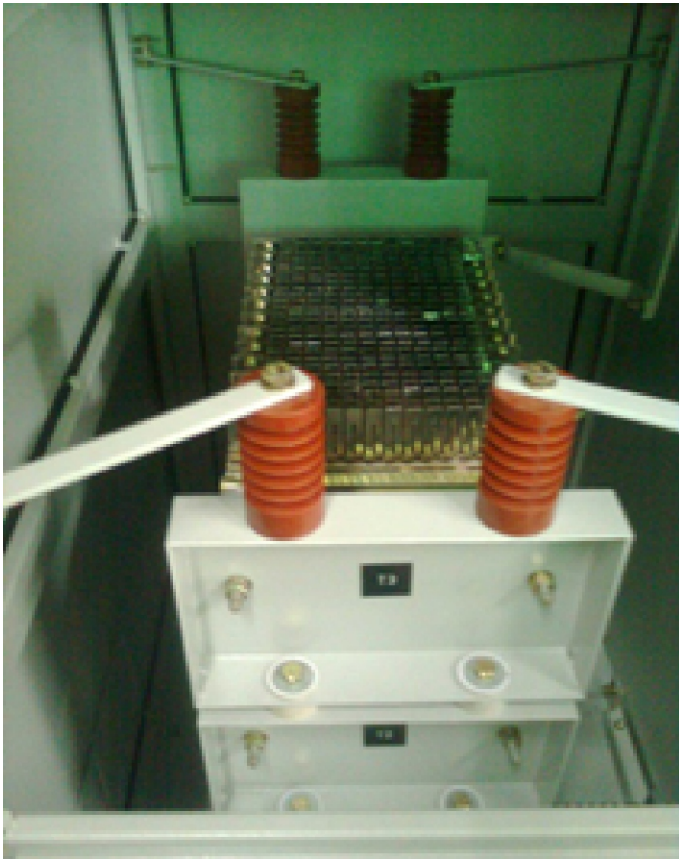
The Neutral Ground Resistor is the connection between the system neutral and ground. It provides a path for ground-fault current to return to the transformer neutral.

Neutral Ground Resistor (NGR) finds application in three phase Industrial AC distribution network to limit the fault current, which would flow from the transformer or generator neutral point, in the event of an earth fault in the system without exceeding specified temperature limits.

At SWEIPL, we design & manufacture reliable and maintenance free Neutral Ground Resistor (NGR) and Neutral Isolator (NIS) panels.



NGR Panel



Breaker of NGR



Resistor of NGR

DG Synchronization Panel

SWEIPL provides innovative solution for power management, synchronization and control for Diesel Generation (DG) sets, turbines grid with DG/TG sets used in small, medium & large Industries, Building & Commercial Infrastructure segment that includes Offices, IT / IT ES Parks, commercial complexes, shopping malls, Hotels & Hospitals. DG Synchronization Panels are widely used in captive power plants & Synchronization/Load management of the total system is designed with PLC/DCS.



Local Control Station (LCS)

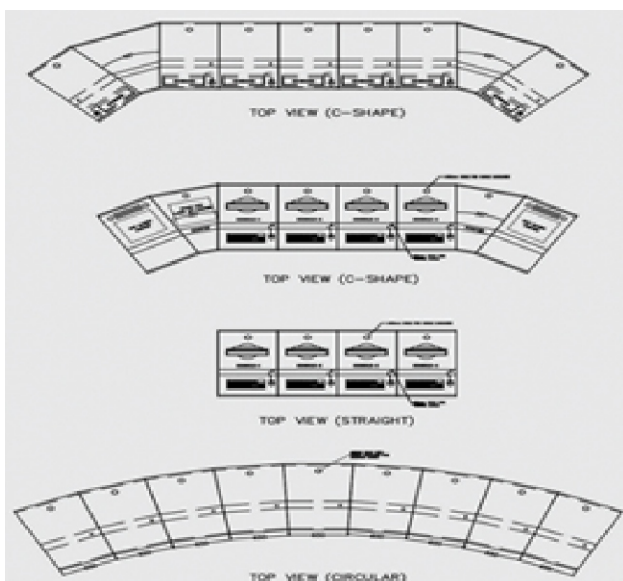
SWEIPL is providing LCS PANEL with respective Control panel as per demand of customer.

As per environmental conditions SWEIPL is capable for providing every degree of IP protection (IP41 to IP 65) for LCS panels.



Computer Console

The base module consist of a desk structure for supporting the work surface & upper tier module. The standard base unit shall consist of front & rear hinged doors. The work surface shall be 750 mm from the bottom of the console frame to ensure maximum comfort to the operator.



Following options are provided In the Console :

- ◆ Pull-out equipment trays, full extension & 50 kg rated.
- ◆ Sub channels for mounting of electrical components on the front, rear or either side.
- ◆ Rail/slides for CPU to takeout without high efforts.
- ◆ Adjustable shelves.
- ◆ All metals are thoroughly pretreated & powder coated to desired shades/color. The console top shall be powder coated steel / SS buff finish.
- ◆ Power distribution for the console equipped with 15/5 amp surge protection, 3-pin socket & terminal.
- ◆ RJ-11, RJ-45, earthing kit, door switch with cooling fan and Internal illumination.

Control Desk



SWEIPL manufactures & supplies a premium quality range of Electrical Control Desks at compelling prices; used as monitoring as well as controlling managers for different operations. These are fabricated with CNC aided machines using CRCA sheets and are powder coated. SWEIPL Control Desks are offered in a variety of designs, sizes, specifications and capacities.

Features :

- ♦ Good aesthetic look
- ♦ High durability
- ♦ Ease of installation
- ♦ High performance
- ♦ User friendly

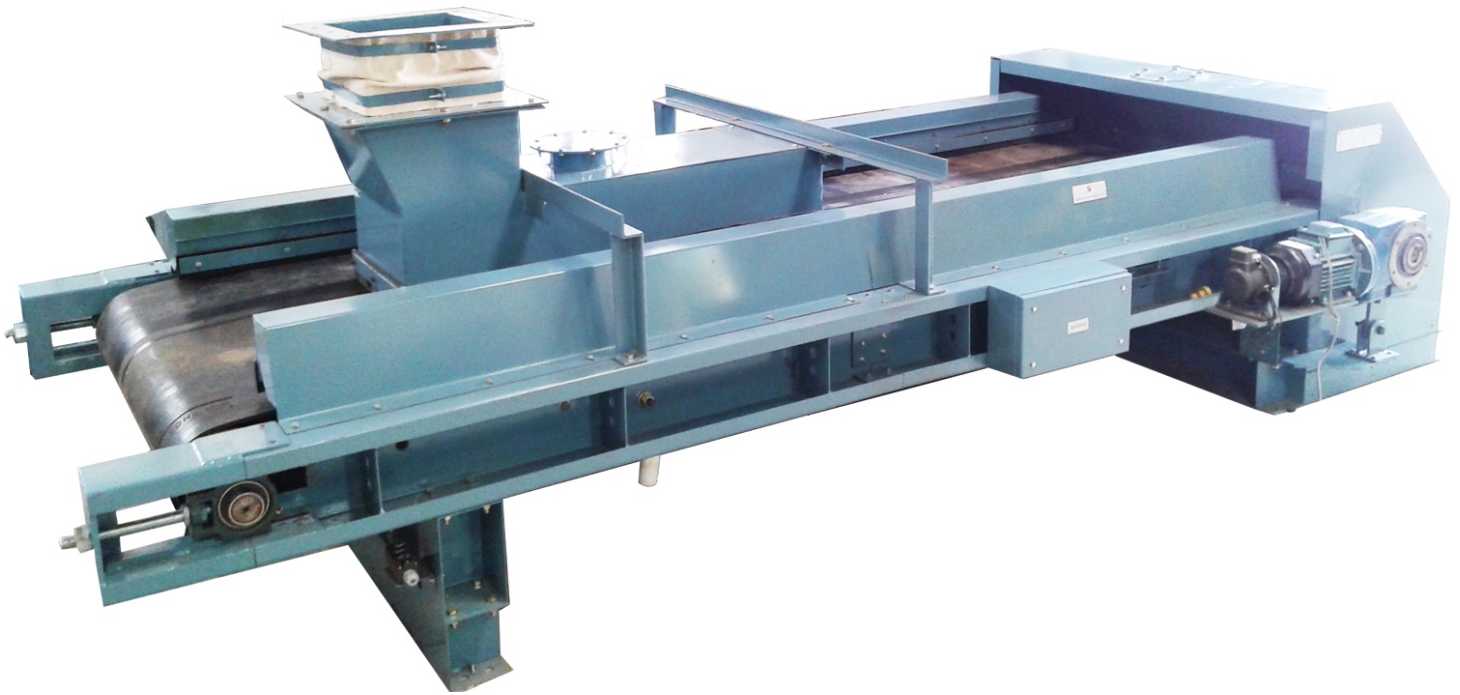
Control Post

Control posts are used for MMI purpose wherein low foot print and limited operation are required. They replace Control Desks due to their limited operating capabilities. SWEIPL make Control posts are rugged, resistant to harsh environmental conditions and have protection up to IP54. They can have see through glass and SS front fascia depending upon customer's requirement.



Control Post

Weigh Feeder System



Weigh Feeder is a variable speed conveyor incorporating belt weighing and speed control for installation directly under the storage silo, suited for industrial environments with particularly heavy duty conditions. The flow rate is held constant by varying the speed of the conveyor inversely with respect to belt load by means of a VVVF Drive.

Material is fed into the weigh feeder via a feed hopper equipped with a manually adjustable profile gate which controls the material bed height on the feeder belt. The weighing assembly built into the feeder measures the gravimetric force applied by the material travelling down the belt and converts this force into mV signal which is proportional to the loading on the belt. A digital speed sensor continuously monitors the belt speed and the microprocessor based measurement & control system SWC32 integrates these two signals to give you an instantaneous rate of flow and totalized weight of material that has passed through the feeder.

Capacity Range : from 100 Kgs/Hr to 1000 TPH
Dynamic Range : 1 : 10

Unique Features :

- ♦ Bulk density variation compensation within a range of $\pm 30\%$.
- ♦ Dual load cell design for better accuracy.
- ♦ Head & Tail driven dependent upon the application.
- ♦ Enclosed or open construction.
- ♦ Designed for hazardous or non-hazardous applications.
- ♦ High accuracy.
- ♦ Corrosion resistant components.
- ♦ Simple installation, easy to clean & maintain.



SWC-32 + SWD-32 for Weigh Belt Feeder

LIW System



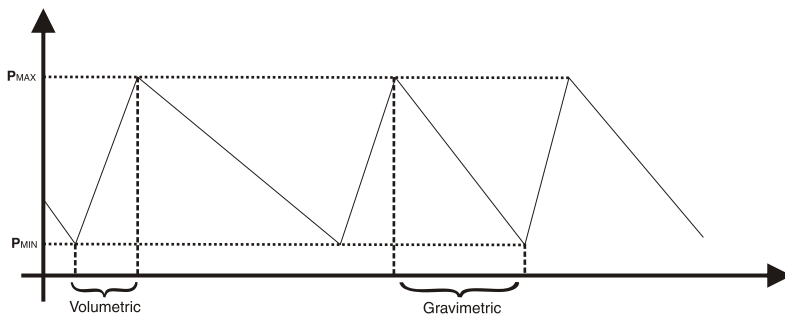
Loss -in-Weigh Feeder

A loss-in-weight feeder is a gravimetric metering device that receives material from an upstream supply and accurately doses the material into a process at a predetermined feed rate. The LIW is particularly suited for continuous regulation of the flow rate of powdery or fine granular material. The measurement of the flow rate is obtained from the loss of weight of a hopper positioned on high precision load cells, from which the material to be fed is extracted by means of a variable speed screw or a vibrating feeder.

The totally enclosed structure of the LIW feeder makes it possible to handle dangerous materials in complete safety.

The machines can be supplied, if necessary, in an explosion-proof version and also with an entirely stainless steel structure.

The device is supplied complete with a microprocessor based measurement & control system SWC32 which continuously measures the loss in weight of the material from the hopper and compares it with the discharge rate from the screw or vibratory feeder and corrects the same accordingly.

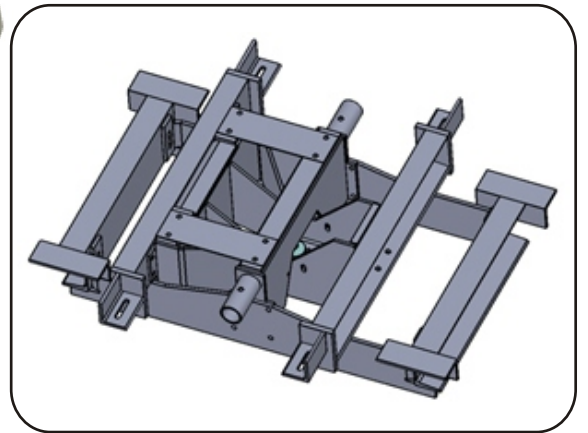
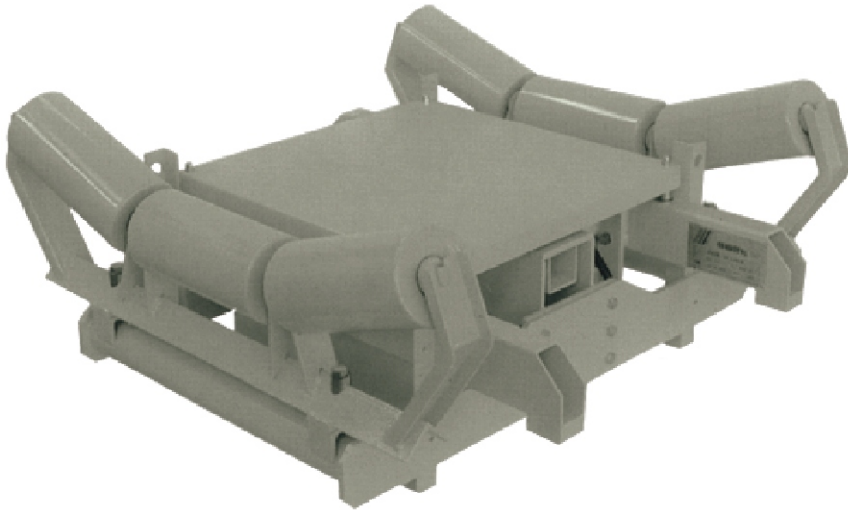


$$Q = \frac{dP}{Dt} \text{ Feed rate measurement with loss in weight principle}$$



SWC-32 + SWD-32 for Weigh Belt Feeder

Multi-idler Belt Weighing Scale



The multi-idler Belt Weighing Scales have been especially designed for continuous acquisition of flow rates & totalized amount of solid materials of all sizes moving on a conveyor belt. These are designed to suit a large variety of conveyor belt widths and capacity and to endure severe industrial environments.

The Belt Scale consists of a weigh mechanics fitted with load cell that is mounted on the conveyor frame and connected to a microprocessor based measurement & control system SWC32 to translate the weight readings into flow rate and totalized weight. The weighing platform is so designed that the existing idlers of the conveyor can be accommodated. For belt width above 1400 mm, 2 nos. load cells are used and for conveyor speed over 2.0 mtr/sec, twin mechanics are used for accurately measuring the flow rate and totalized weights.

Capacity Range : 10 TPH to 3000 TPH

The mechanical structure is specially designed to assure the best translation of the weight of the material on the belt, even under conditions of irregular load and particle size, and for high speed motion. The measurement of speed is taken from the return belt by means of a friction wheel and carried out by a digital tachometer using optical sensor housed in a IP:67 enclosure.

Precision Class : from ± 0.5 to $\pm 1\%$ based on the application.

Applications:

- ♦ Instantaneous and totalized measurement of flow rate.
- ♦ Final balance of consumption or production quantities.
- ♦ Feeding for batch systems.
- ♦ Loading system for trucks or wagons.
- ♦ Instantaneous control of overloading for conveyor belts.
- ♦ Automatic adjustment system for flow rate.



SWC-32 + SWD-32 for Weigh Belt Feeder

Weighing System Panel

SWEIPL is specialized in developing Control Panels for their entire range of process weighing equipments. Our inhouse R & D team is dedicated to develop micro-processor based controllers for these weighing equipments.

Features:

- ◆ Fabricated with 2.0 mm CRCA sheets (non-load bearing portion - 1.6 mm and Gland Plates - 3 mm).
- ◆ Powder coated after nine-tank pre-treatment process.
- ◆ IP protection class can be provided as required.
- ◆ Houses a 32-bit micro-processor based Weighing Controller.
- ◆ The Operator Interface Panel for configuration & display purpose is mounted on the front door.
- ◆ 4 line, 20 characters LCD Display in rich English text.
- ◆ The Operator Terminal is very user-friendly with 10 functioning keys.
- ◆ Various communication options with Plant PLC/DCS like Modbus, Proibus, DeviceNet, etc.
- ◆ On-line calibration features available.
- ◆ Isolated outputs for Flow Rate, Totalized Flow & Alarm.



SWC-32 + SWD-32 for Weigh Belt Feeder

HV/MV Solution

The competitive energy market requires innovative and reliable solutions for effective integration of power from conventional and renewable generation plants and efficient transmission and distribution to residential, commercial and industrial consumers.

Comprehensive knowledge and experience enable us to provide optimized turnkey solutions and engineered equipment packages.

SWEIPL is a partner you can rely on for **Power, Protection & Controls**.



MV Switchboard

Control & Relay Panel

Turn key Solution for HV-MV Substations

Supply

- ♦HV components with supporting structures, Gantries with relevant accessories, MV Distribution, AC-DC auxiliaries, UPS and Batteries, Protection & Control System.
- ♦SCADA, Connections & Cables.

Erection & Commissioning

Civil works if requested: Positioning erection on specific structures and connection of all components, earthing system, cable and cable routes, electrical board positioning and connection .

Maintenance & Service

Programmed Maintenance and service on demand with tele operation facility.

Electrical Design

Ratings, Lay-out, Load Flow, Short Circuit, Earth net, Electro dynamic stress, Auxiliary and Protections.

Our offering includes installation of all High Voltage Substation primary plant and associated equipment such as :

- ♦Power and Distribution Transformers.
- ♦Dis-connectors.
- ♦Current & Voltage Transformers.
- ♦HT Capacitor Bank
- ♦Harmonics Filter
- ♦Batteries & Battery Chargers.
- ♦Control & Protective Systems.
- ♦Substation Control Panels.
- ♦Copper and Aluminium Busbars and Overload Conductors.
- ♦Earthing System.
- ♦MV Switch board - 11/33 kV.
- ♦Support Structure.
- ♦Installation and termination of Power Cables up to 33kV.



Sub Station

Civil Design

Concrete basement , cable routes, control room, site facilities, mechanical structures for all HV components, Fencing, Lighting & Lightning protection.

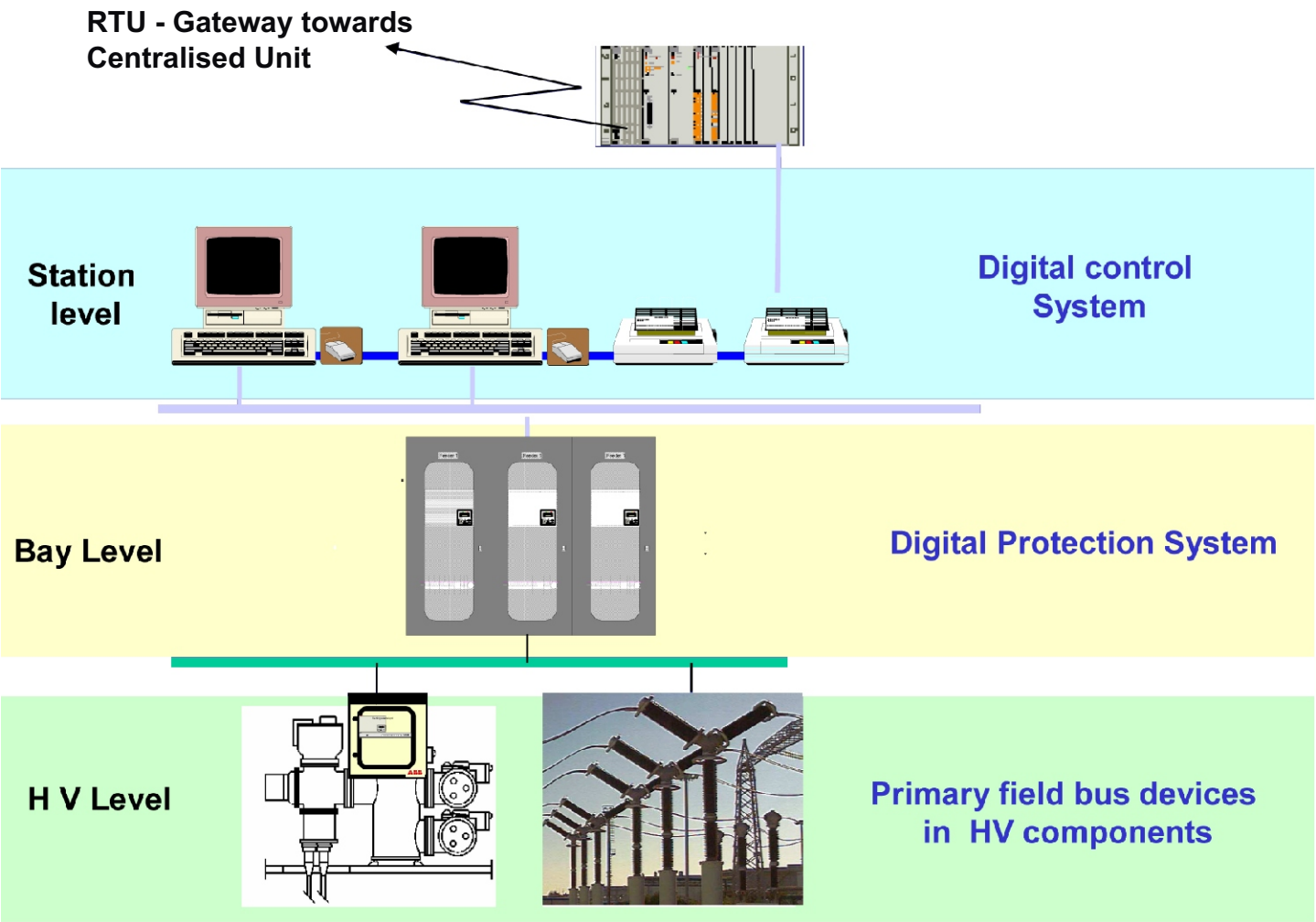
Protection & Automation Design

Selectivity, CT-VT , Protection Parameterization & Setting, SCADA video pages.

H.V. Substation Automation

SWEIPL offers field Proven Solutions for Protection, Control and Automation systems for all type of Sub-Stations. Schemes with state-of-the art sub-station system solutions are important requirement in overall process optimization strategies. Deploying advance technologies, leveraging inter-operability, designing a system to meet your needs now with the ability to migrate to higher level systems as your future business demands, all are essential to a successful sub-station automation implementation.

Subtleweigh is committed to deliver reliable, flexible solutions using the most effective technology to ensure our customers achieves maximum efficiency, availability and reliability.



Optimum Technology & Innovative Solutions



Subtleweigh Electric (India) Pvt. Ltd.

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