



*#SmartSolutions  
...since 1953!*



**Product  
Brochure**



**P. K. Narula**  
[1942-2014]

Founded in 1953, **SNG** a.k.a **Sun Narula Group & Narula Group**, is India's & South Asia's leading Healthcare Solutions provider.

Under the aegis of co-Founder & Chairman, **P K Narula**, the group has introduced time and again several advanced medical and healthcare technologies in the region, in the areas of fiber optics, lighting solutions, modular technologies, diagnostic technologies, surgical technologies and more.

The World class **MEDITEK™ Patient Care & Hospital Systems & Solutions** are exclusively offered in the region by **SNG** members. With over 350 leading hospitals & Healthcare providers etc., as its active customers in South Asia [as at Apr. 2016], **SNG** Solutions are most preferred.

With complete in-house Design Team, **SNG** is competently placed to design the best and efficient **Turnkey ICUS, ERs, OTs & Patient Rooms Solutions** right from design to execution etc.

Our **Turnkey Solutions include Hospital and general furniture, Patient Handling solutions, Ceiling Supply Pendants, IV Track Systems, Partition Systems, Medical & General Lighting, Wall Surfaces, Drop Ceilings, HVAC, Medical Gas Pipelines, Clinical and Modular Work Stations, Storage Solutions, Mobile Solutions & Carts, Modular & Packaged OTs / ICUs / ERs, Pneumatic Tube Systems [HPTS], Automated Waste & Laundry Tube Systems [AWLS], Automated Vertical Storage & Retrieval Systems [AVSRS] & Automated Drugs Management Solutions [ADMS] etc.**



**SNG** & its associates have strong in-house Project Management Teams & Customer Support Teams to ensure unmatched support to its clients, right from design to commissioning and service support with a dedicated **SNG** Customer Care department. Our Customer Support teams are located in **Delhi, Mumbai, Pune, Hyderabad, Bengaluru, Chennai, Coimbatore, Amdavad & Calicut** ensuring quick response.

With the support of over 40 World-renowned international & domestic OEMs, Experts and strong R&D in place, the solutions and technologies offered are continuously innovated & improved enabling introduction of new & updated solutions from time to time.



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The **SNG** Turn-Key Solutions provide greater advantages to its Customers:

- *Single Window Dealing*
- *One Stop Shop*
- *Integrated Solutions*
- *Coordinated Approach*
- *Adherence to Time Lines*
- *Financial and Economic Advantage*
- *Contemporary, Modern & Latest Technologies & Solutions*
- *Over 6 decades of experience and expertise in Healthcare*

**SNG** along with the support of its in-house Design Team, in-house Project Management and Execution Team, empanelled Expert OEMs is competently positioned to handle complete **ICUs, ERs, Patient Rooms, Nurse Stations, Operating Theatres etc.** on Turn-Key Basis, right from *Designing, to Engineering to Execution to Furnishing & Commissioning.* **SNG** also offers **Pneumatic Tube Systems, Hospital Vertical Storage Systems, Laundry and Waste Transport Tube Systems & Modular Operating Theaters** etc...



## Healthcare Solutions that...

...Provide **CLINICAL & FUNCTIONAL** spaces...

...**SAVE** critical floor spaces...

...**LIGHT UP** our world...

...Help **HEAL** faster... &

...**ENHANCE** Healthcare Logistics...

...Help **REDUCE** Healthcare Delivery **COSTS**



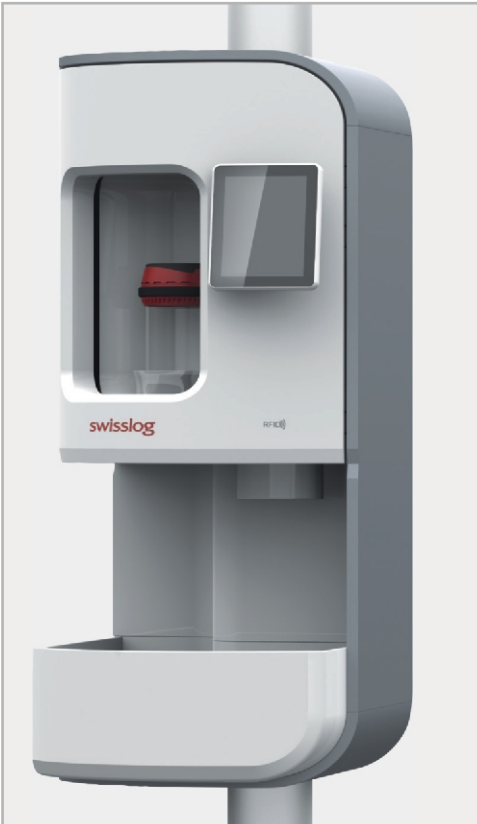
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# PTS : Pneumatic Tube Systems



**HPTS : Pneumatic Tube Systems  
For Samples,  
Blood Plasma,  
Reports, Drugs, Cash,  
Documents etc...  
Upto 3kgs @ 3-20 mps**



## SYSTEM FEATURES

- For spontaneous, non-planned transports of goods
- PC-controlled with high system availability
- Gentle and safe handling of sensitive medical items
- Horizontally and vertically transport on low noise level

## APPLICATIONS

- Logistics of laboratory items, specimen, blood products
- On demand transport of drugs and medical items
- Handling of documents

## BENEFITS

- Time saving due to direct connection of departments
- Faster availability of test results
- Reduction of transport errors and reliable delivery
- Better service for patients due to speed and accuracy



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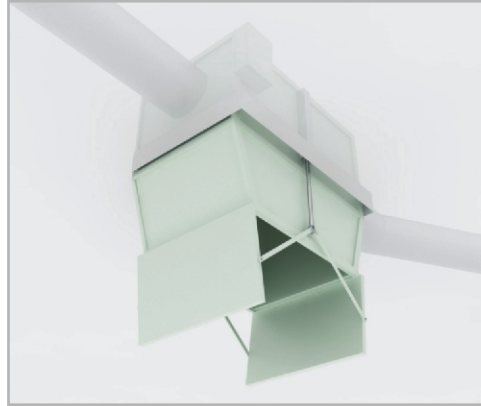
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# AWLS : Automated Waste & Laundry Tube Systems



## AWLS: Automated Waste & Laundry Transport Tube System

For Transport of Soiled Linen and Hospital Waste Bags Transportation at high speeds vertically and horizontally.

### SYSTEM FEATURES

- For Automated transports of soiled linen/laundry and trash bags
- Fully Automated with Software Controls
- Available in Single Access & Multi-Access Formats

### APPLICATIONS

- Hospital Laundry & Waste
- Commercial & Residential Towers

### HOW IT WORKS

In the same way as the Pneumatic Tube System [PTS], the Automatic Waste & Laundry System [AWLS] works with tube transport, in a slightly bigger format [300-500mm Ø]. Instead of cartridges with samples it transports bags with garbage or dirty laundry. This is usually done initially via free fall, and the waste or laundry bags are then redirected with a pneumatic system to the actual end point [waste container or laundry room].

Hospitals in particular produce large amounts of garbage and dirty / soiled laundry, and therefore this system not only saves a great deal of work and time but also makes a significant contribution to hygiene and process optimization. AWLS minimizes the contamination and infection hazard and prevents odor pollution.



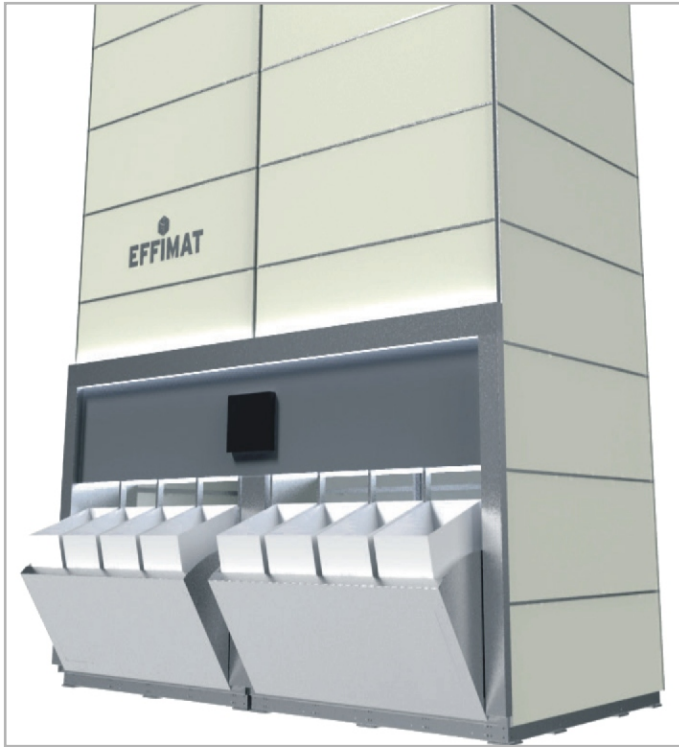
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# AVSRS : Automated Vertical Storage & Retrieval Systems



## AVSRS: Automated Vertical Storage & Retrieval System

For Pharmacy Storage & Retrieval, Food Tray deliveries, CSSD Packages storage and Deliveries, Fresh Linen Storage and deliveries

### SYSTEM FEATURES

- For Automated Vertical Storage & Deliveries.
- Fully Automated with Software Controls.
- Available in Single Access & Multi-Access Formats.

### APPLICATIONS

- Pharmacy Storage and Retrieval.
- Food Tray Deliveries from kitchen to each floor.
- CSSD Sterile Packages Storage & Retrieval.
- Fresh Linen Storage and Retrieval.

### BENEFITS

- 4 – 5 Times faster than traditional vertical lift systems with 100 to 400 orderlines in/out per hour.
- High speed VLM of 1.5mps vertical speed.
- The totes with loading capacity of 25kgs & loading trays with loading capacities of 250 – 1000kgs.
- Based on revolutionary principle of using 5 times smaller foot print of horizontal space and providing similar storage capacity [example in a footprint of 6sqm the storage capacity could be around 300sqm].



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# ADMS : Automated Drugs Management Solutions



**Unit Dose Packaging & dispensing**



**High Density Storage & Retrieval**

## SYSTEM FEATURES

- Automated drug management in unit dose
- Drugs in unit dose for individual patient therapy and bed-side verification through barcode scanning
- Ability to handle wide range of drug types
- PickRing is a patented, flexible plastic ring which organizes unit dose in any desired order.

## APPLICATIONS

- In patient Pharmacies

## BENEFITS

- Reduces medication errors, decreases human touches and enhances patient safety
- Multi-Tasking, Packages and dispenses first doses to cart fill or cabinets simultaneously
- Improves inventory tracking and minimizes waste
- Reduces nursing time dedicated to drug management
- Reduces peripheral drug storage, rationalized spaces

## SYSTEM FEATURES

- Manages drugs in commercial package and medical devices
- Bins moved quickly and safely by a traslo robot
- Highly configurable, modular system
- Safe for users, not exposed to internal moving parts
- Reduce picking errors with access to only one bin at a time

## APPLICATIONS

- Inpatient and outpatient Pharmacies
- Blood Bank
- Hospital Cleanroom
- Central Supplies

## BENEFITS

- Automated Stock Control allows completeness of delivery and control of stock levels
- Rationalization of spaces to maximize the space availability in the Pharmacy
- Reduction of operator times for preparation of ward procurement orders



**SNG's** Healthcare Solutions provides hospitals with solutions for the optimisation of in-house logistic processes.



The systems feature high technological standard, high quality and worldwide proven applicability.



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# PHS : Patient Handling Systems



## ◀ Ceiling Hoist Systems

For transport and transfer of patients from one platform or room to another or walk therapies etc... with ceiling tracks, specialized ceiling hoists and various slings with payloads of 200 to 500kgs.

Designed for maximum safety of care-givers and patients those are highly critical, immobile, bariatric, neuro, orthopaedic patients etc.

Also applied in the areas of sports medicine and physiotherapies.

## ▶ Patient Lifters

For transport and transfer of patients from one platform to another using mobile lifters with payloads of 150 to 200kgs.

Designed for maximum safety of care-givers and patients those are highly critical, immobile, bariatric, neuro, orthopaedic patients etc.



## ▶ ER Trolley

Advance ER and Patient Transport trolleys for transport & Emergency treatments or pre & post Surgery Recovery of patients in Emergency Rooms, Triages, Observation Rooms, Post & Pre-Operation Areas etc... Highly maneuverable chassis design with a range of accessories.



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## ◀ Nursing Beds

Advanced motorized Nursing Beds with special finishes to provide "home-like" environment with high safety features and provisions; with matching bed side cabinets. With its fold-down head and foot sections, provides nursing staff with unrestricted access in emergency situations.

An emergency lowering of the backrest which can be activated from the head section ensures that the patient surface can be brought into a straight position even in emergency situations.

- Strong aesthetically designed aluminium side safety rails with wooden covers.
- Ergonomically designed mattress surface with motorized functions.
- Strong & Sturdy removable head & foot panels.

## Intensive Care Beds ▶

Advanced Intensive Care Bed, fully motorized, with robust and sturdy twin pedestal column base; ABS head and foot boards :

- MFFP mattress
- CPR Quick Release
- ACP control option
- Built-in Weighing Scale Option
- Highly maneuverable with solid tread castors
- Patient Handset Controller
- X-ray Translucency Option



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## ICWS : IV Ceiling & Wall Tracks



### Infusion Ceiling Systems ▲

Special aluminium ceiling track rails with a range of attachments from basic simple IV pole to a heavy duty carrier with provisions to carry Monitors, Infusion Pumps, Monitors, Lamps, X-ray Panels etc... keeping the entire Critical Floor Space free for critical and intensive care givers with easy access to equipments and the patients; with payloads from 50kg to 80kg / m.

## HPS : Hospital Partition Screens



### ◀ SilverLine™ Partition Panel System

Excellent design with foldable panels draw out when required and fold back when not; available in various lengths and two heights with a range of finishes improving aesthetics and environment for better healing.

### MEDITEK'S™ MEDITRAK ▶ Ceiling Curtain Panel System

MEDITRAK Cubical Ceiling Track System for with high-grade aluminum tracks and nylon / Teflon roller wheeled curtain hooks; for use in hospitals for ICUs, ICCUs, OTs, Critical Patient Areas etc. The system is either ceiling mounted & or wall mounted with ceiling mounts/wall clamps.



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# HMS : Hospital Mobile & Storage Solutions

**SNG** offers a wide range of hospital, medical & surgical carts and mobile solutions:



▲ Emergency Cart



▲ Medication Cart



▲ Anesthesia Cart



▲ i-Cart Mobile Computing Solution



▲ Linen Hamper Cart



▲ Mobile Utility Storage Carts & Racks



▲ Bio-Medical Waste Carts



▲ Modular Work Surfaces



▲ Utility & Instrument Carts



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## OR : Operating Room Solutions



### **Stainless Steel / GI Steel / HPL Modular / Seamless Operating Theaters ▲**

These are easy to clean and disinfect, that shortens time between operations; Steel / HPL panels can be quickly installed; Easy installation under the panels; Quick disassembly and dismantling of a panel and modernization of installation underneath; With additional strengthening elements it is possible to mount on panel surgical scrub sinks, shelves, cabinets etc.; Steel panels guarantee high mechanical resistance. These are available in various sizes and colours as per RAL palette. Stainless steel can be used to design and fabricate Operating Theatre Walls, Ceilings, Doors, Storage Cabinets and Surgical Scrub Sinks. Stainless steel panel system with Antimicrobial protection BioCote® provides continuous protection against bacteria, fungi, mould, including MRSA, Salmonella, E-coli and Legionella.



### **Specialised Solid Surface of Natural Mineral+Acrylic ▲**

This material is Non-toxic inert and hypoallergenic; hygienic with homogenous non-porous surface and joint-free; easy to clean; stain resistant and prevents infiltration by liquids, fluids and chemicals (acids, bases and reagents), lasting, sturdy and able to withstand wear and tear; any damaged part can be repaired on-site so that it always looks in prime and pristine condition; saves time during installations and repairs; attractive shades and solid like stone; thermoformable like glass and easily workable like wood. These solid surfaces can be used to design and fabricate Operating Theatre Walls, Counters, Work Surfaces, Vanities, Surgical Scrub Sinks and more.



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# OR : Operating Room Solutions



## ◀ Automatic Doors-Hermetic

Various options available from single leaf, double leaf, with window, sliding or winged doors, with manual override; various opening and closing functions and options.

Finishes of the doors available in various colours and stainless steel.

Also available : Fire / Metal Doors.

## Surgical Scrub Sinks ▶

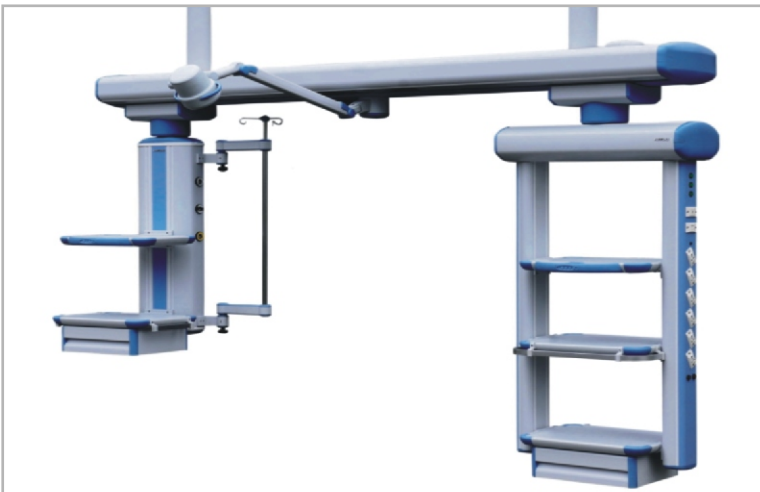
Complete stainless steel or Specialised Solid Surface material; single, double, triple bay stations with sensor or elbow operated taps.



## ◀ Ceiling Supply Pendants

**sng** offers high quality extruded aluminum Ceiling Supply Pendants with a range of options for gas, power outlets & mounting accessories etc.

Confirming to the best International standard, the Pendants are available in various formats for anaesthesia and surgeon's sides.



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# MLS : Medical & Surgical Lighting Systems



▲ Bed Head Lamps



▲ Medical Examination & Procedures Lamps



▲ LED Surgical Lights

Specially designed Surgical & Medical Lighting Systems available with various technologies to suit different procedures, applications & needs in a clinical and surgical environments [LED, Halogen etc.]. A wide range of variants & models are available to meet the clinical & surgical needs viz. ceiling, wall, mobile version; single, double or triple light heads; with built in HD cameras & integrated HD monitors etc. [Surgical Applications].

These systems provide a wide range of pre-focussed or focussable columns of light which have ranges of illumination from 500 Lux to 70K Lux [Medical] & 100K Lux to 200K Lux [Surgical]; the systems provide fixed & variable corrected colour temperatures & well configured colour rendering indices.



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**SNG** and its overseas partners conform to best International standards such as ISO, CE & EN, ensuring Gold Standard Quality Products & Services. **SNG** also offers, Quality Customer Support Services with regional presence to suit the needs of different customers with Quick Response.



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