THE VALUE OF DATA

Medical Equipment Planning

DATABASE CO CO

WSP has developed a database structure that stores detailed information about hospitals' medical equipment specifications as well as the requirements specified by the hospital operators. With the implementation of digital tools, we can coordinate and communicate up-to-date information with the different teams involved as well as report progress and optimize project delivery, enabling a collaborative design of the hospital.

The data includes - among other things - specific equipment dimensions, demands and documentation. We advise on everything from the preliminary and typical medical equipment requirements of a standard operating room, to more complex and tailored plans suited to specific room sizes, door widths, specialized equipment and locations.

driving

longevity,

PRE-STUDY

Advice ranges from standard operating rooms to more complex and tailored plans suited to specific room sizes, door widths, specialized equipment and locations.

DESIGN & ENGINEERING

Optimizes the experiences of the patients and staff by integrating the requirements for the medical equipment and healthcare delivery into the overall design of the facility.

CONSTRUCTION

Builds installation requirements into the construction of the project covering all equipment needs from the light switches to the most advanced operating technology.

PROCUREMENT

Advice on medical equipment requirements throughout the procurement process to ensure it is suited to the clinicians and patient needs.

A HOLISTIC APPROACH

Ensures that the equipment is integrated in a way that provides the best possible patient care, assures efficient healthcare delivery and optimizes facility performance from the start through to project completion and beyond.

ACCUMULATING KNOWLEDGE

Our database reflects the constant accumulation of our consultants' knowledge, founded on our long experience as clinicians, covering the full range of technologies and equipment. We deliver the best possible experience and outcomes for all stakeholders.

WHERE WE CAN HELP THROUGHOUT YOUR HOSPITAL

1 MEDICAL SUPPLY UNIT

SPEC: Heavy and complex unit that provides different type of media to medical equipment.

ISSUE: Attached above suspended ceiling

years before the room is finished.

CONCERN: May involve medical gases, network, power, gas evacuation and more.

2 LAF-CEILING

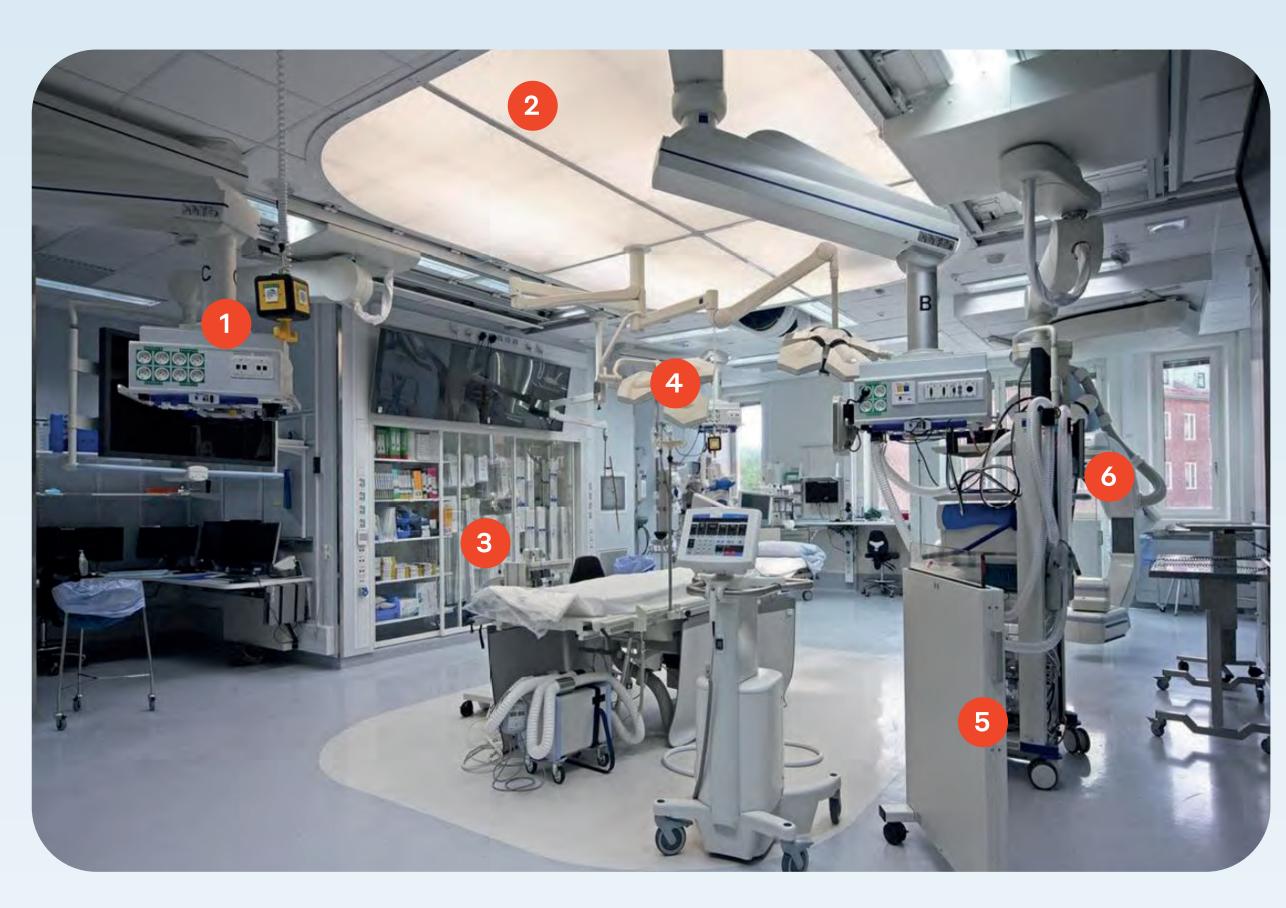
SPEC: Providing clean air in an area around the patient (see marking on the floor).

ISSUE: Requires special filtration of the inflowing air. The air that leaves the room requires specific placement of the exhaust units.

3 CABINET

SPEC: Contains sterile material.

ISSUE: Special demands on temperature and humidity.



4 OR LAMPS

SPEC: Heavy unit that provides light. May also come in combination with monitors.

ISSUE: Attached above suspended ceiling years before

the room is finished.

CONCERN: Comes with a tranformator that has to fit

into an electrical cabinet nearby.

5 X-RAY PROTECTION

SPEC: Different types of X-ray protection may be available, some of them mounted to the ceiling.

6 C-ARM - X-RAY EQUIPMENT

SPEC: Heavy unit used for examining the patient during the operation.

ISSUE: May be attached to the ceiling as in this case. CONCERN: May involve rails along the ceiling to allow movement to the patient table.

WE'RE ALREADY DOING IT HERE...



Imaging and Treatment Centre, Sahlgrenska University Hospital



Building 21 Kungälv's Hospital



Sterile Units in BOIC and Queen Silvia's Paediatric Hospital



Extension of Drottning Silvias Barn-Och Ungdomssjukhus (Queen Silvia's Paedriatic Hospital), Sahlgrenska University Hospital

