Project

Norrländska Universitetssjukhuset i Umeå är ett av Sveriges största sjukhus, administrerat av Västerbottens län. Sjukhusets steril tjänstepartiment hanterar inte bara hela sjukhuset i Umeå, utan även alla kommunala sjukhus i regionen samt flera privata kliniker. Under sommaren 2013 öppnade partimentet igen efter nästan sex års förbud och renovering. Utrymmet för steril tjänstepartimentet har ökats med 300 m², för ett totalt 1 500 m². Nya steriliseringsmaskiner bestående av fyra Getinge HS6617 Turbo pass-through sterilizers och ett mindre HS6610 modell, utrustade med automatiska laddare och avladdare och en tvättbarriär, har ersatt äldre maskiner som kräver avveckling. Meer instrumenthantering har utövats med hjälp av T-DOC som har expanderats med en batchfunktion för tvättning och packning, baserad på skärmen packningsexternal instructions.

Solution

Before Västerbotten County Council decided on the automatic detergent supply solution, it studied several similar systems. Getinge’s CMS, using only one pump per chemical product, came out as a major benefit compared to other systems, some having up to 25 pumps to operate and maintain. The CMS supplies the hospital’s three different chemical products (ordinary detergent, an enzyme agent and a rinsing agent) to a total of eight washer-disinfectors.

Stefan Dannelöv, technical administrator in disinfection and sterilization at Västerbotten County Council, cites the recirculation of chemical products in the system to prevent them from getting stagnant in the tubes as another important asset.

Whereas the department used to transport a lot of chemical products, both from a central storage location and within the hospital, everything is now under one roof. Pallet trucks are used for container replacement, which is done by specialized staff. This relieves other sterile service department employees from handling concentrated chemical products and lifting heavy containers. By reducing the number of empty smaller containers, the hospital also minimizes its impact on the environment. Additionally, the floor was removed in the space in front of the CMS to create a collection point that can confine up to 240 liters if a full cleaning agent container breaks.

Last but not least, all washer-disinfectors are connected to Getinge Online. This allows hospital technicians to remotely monitor consumption and alarms with their computers and smartphones. The on-site service personnel handles acute events themselves, calling on Getinge for every issue covered by warranty.

Benefits

- All chemical products are under one roof and handled in large containers.
- Staff no longer has to handle concentrated chemical products, lifting and carrying containers to the washer-disinfectors with the risk of splashing.
- The time needed to replenish washer-disinfectors has been significantly reduced allowing staff to perform other more added-value tasks.
- Reducing the number of empty containers minimizes environmental impact.
- Fewer small containers reduce the amount of waste since larger containers can be tapped and emptied more effectively.
- Only one pump for each chemical product needs to be maintained.
- Centrally controlled supply minimizes the risk of downtime.
- The chemicals are constantly circulated in the pipes which prevent the detergent from stagnating and crystallizing, thereby reducing the need for maintenance.
- Technicians can remotely monitor consumption and alarms with computers and smart phones via Getinge Online.

“Handling these concentrated chemical products is an important working environment issue. Relieving our staff of this duty is the biggest benefit.”

Stefan Dannelöv, technical administrator in disinfection and sterilization at Västerbotten County Council

Getinge is the world’s leading provider of complete, ergonomic, cost-efficient solutions for effective cleaning, disinfection and sterilization in the healthcare and life science sectors.