

# Rittal – Case Study



## Loccioni Project Cytocare

First fully automated System for cytotoxic compounding



For about 60 years now, cytostatic drugs are being applied for fighting cancer by chemotherapy. In plain terms, cytostatic means “cell-stopper”.

Such substances prevent the cleavage of cells and, therefore, cause them to mortify.

The correct dosage is crucial to guarantee the patient the highest safety and best possible results of the therapy. Loccioni Group, located not far from Acona in Italy, developed a robotic system called Cytocare. Cytocare is a robotic system for the preparation of cytotoxic injectable solutions in a microbiologically controlled and isolated environment, using an innovative system for control documentation and traceability of every single operation. The aim was to guarantee

patient and operator safety and quality by improving efficiency and reducing cost. Cytocare allows to decrease exposure risk of the operator, to decrease error rates, and to optimize drugs use. Working on the Cytocare project, it was important for Loccioni to include only high quality components. Rittal could convince with its innovative products. The solutions includes a stainless steel enclosure of type AE as well as lamps, heaters and EMC (electromagnetic compatibility) components.

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