Plant construction in a clean room.

Perfect teamwork from the construction to the installation.

A JAG Group reference.

Our client - a leading biotech company - needed a larger tank to increase its production capacity in Switzerland. Installation required extensive advance interventions, such as the fitting of new process pipes, supply pipelines and drains, all to be carried out in a confined space and with minimal production disruptions.

Specialist area	**Downstream bioprocessing**
Project duration	**8 months (November 2018 - June 2019)**
Cost	**~300 kCHF**
Personnel	**6 employees**

Task

The client operates five production centres in Switzerland. One site reported an need to increase its production capacity in the downstream zone. The task entailed the installation of a 1,500-litre tank in addition to the existing 3,000-litre tank. But this involved some specific challenges.

Challenges

The main challenge was the organisation. Implementing the project in five stages aimed to ensure that our interventions in the clean room did not compromise the qualified status of individual areas or impact on production. Further technical difficulties arose from the intensive use of the room and the restricted space. It was not possible to place the new tank next to the existing one. It was also particularly tricky to define the route for the various pipes and to find the optimal location for all the components. Technical aspects like the installation of brackets for process and supply pipelines were seamlessly incorporated into safety measures for the fitters.

Solution

The JAG Group provides end-to-end solutions from a single source, from which this project was also able to benefit. While JAG Jakob Ltd Process Technology was responsible for the engineering and construction, our subsidiary amotec AG handled all the installation work. This collaboration allowed flexible responses to change requests, even when made at the last minute. The reduction in the number of components also made an important contribution. It shortened the intervention time and enabled production to continue up until the day the new tank was installed.

- » **Highly flexible organisation of the interventions in the clean room**
- » **Minimal disruption of production and quick installation**
- » **Installation and documentation quality in accordance with GMP requirements**
- » **Close teamwork between engineers (JAG) and fitters (amotec) within the JAG Group**

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