

## Pharmaceutical Company

### ➤ Step 1

A company specializing in vaccine component manufacturing asked us to reconstruct and upgrade their production area because they were expanding operations and it required the installation of new systems for mixing, development, and measurement of different components. The project's complexity meant that a number of companies from different sectors would be involved. EU-TECH's primary responsibility would be the installation of measurement and control devices along with connecting them to the corresponding dispensing systems.

### ➤ Step 2

Project documentation was followed as we proceeded. Several deviations from planned steps were identified during the installation because actual conditions at the construction site had not been taken into account when these steps were laid out. Most of these deviations likely resulted from plans and documentation having been copied from previous projects, which turned out not to be suitable under the new conditions we were facing. They lacked flexibility and did not consider possible changes, something the designers later acknowledged after they had been forced to adjust steps on the fly. Besides slowing down installation, these issues also complicated operations as production had begun at already completed sections.

### ➤ Step 3

Stricter safety measures had to be taken and extra caution exercised because of the active preparation of various mixtures and the presence onsite of substances hazardous to health. On certain floors and during specific phases, health and safety engineers oversaw us in real-time to make sure we were complying with stringent guidelines and precautions. Anyone not wearing the proper protective equipment, such as safety glasses and helmets, were not allowed onsite. Although such extreme caution impeded progress, we had to adapt to the limited space available and navigate among running systems as we were reconstructing and upgrading the production area.

### ➤ Step 4

Some spots were extremely difficult to access and this was especially true with ventilation systems. Exceptions to safety precautions had to be negotiated in order to connect components. Yet our experience with similar projects enabled us to complete everything on schedule and the pharmaceutical company was so pleased with EU-TECH's excellent performance that they are considering us for future expansions.