

LEAN & LPS

Optimising processes. Promoting communication. Improving our shared understanding of the project. Always being one step ahead with the Last Planner System (LPS). PORR SUISSE AG provides an impressive demonstration of how this can be done, at the Kleeweidstrasse project.

Growing demands on environmental protection, occupational safety, and quality, along with strict regulations imposed by public authorities, are making construction schemes more and more complex. To ensure that processes are efficient and calculable, we are increasingly relying on LEAN – and on the LPS.

Compare. To illustrate the advantages of the LPS, we constructed a building at an in-house training course – first with conventional construction methods and then with the LPS. It became apparent that we were much faster and more productive when using the LEAN method. We then planned to consolidate the application of the LPS in a real-world construction project. Owing to various project-specific conditions, our construction site on Kleeweidstrasse proved to be an ideal test project. An ensemble of four apartment buildings comprising 129 flats is to be built on the outskirts of Zurich by the coming summer. It involves many project participants working together in a confined space. Good coordination and transparency are essential if the project is to be completed on time.

Plan. As a team, we reviewed the overall process analysis in advance and determined and analysed the work steps in order to be able to streamline them, and thus save resources and time. We captured the contractually defined mile-

stones that are important for internal project management in the same way. We paid particular attention to work involving long lead times. Construction site procedures are precisely planned and prioritised on the basis of time specifications and technical constraints. We continuously monitor whether everything is going according to plan and evaluate the results on a weekly basis. After all, mistakes are a learning opportunity.

Optimise. Working together on the construction site means that we can draw on the expertise of everyone involved in the project. This allows us to optimise processes and streamline them. The

LPS improves communication and co-operation, both internally and externally. It enables us to solve interface problems much earlier and more effectively, and to complete projects even more efficiently.



“For me, pioneering spirit means challenging outdated processes and rigid ways of thinking, and taking a different approach to problems. We can’t afford to rest on our laurels, even if new ideas don’t always work smoothly at first go.”

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