

MAINTENANCE **EXCELLENCE IN JUST** A FEW MONTHS

A specialty chemicals group with 14 plants in WEEK 4 9 countries faces enormous challenges when it About four weeks after the start of the project, the analysis of the comes to plant availability: The deficits in over- existing basic data and already known availability problems in all plant efficiency not only endanger the com- the individual plants has been completed. Together with the cuspany's growth targets, but also its reputation tomer's project managers, a set of key figures/KPIs was also deas a premium supplier to the energy industry. fined for evaluating the OAE, including OEE, MTR/MBR or TMC. In order to improve the availability of manufac- In the meantime, the assessment phase has started in all plants. First, turing facilities in the global plant network, ROI the maturity level of the maintenance organization is determined with set up a comprehensive program to introduce a the help of the ROI Maintenance Excellence Scan. The project team then central maintenance organization consisting of uses the ROI OAE Check to document machine downtimes and thus dethree workstreams that build on each other. An termine the optimization potential of the planned maintenance measexcerpt from the project report...

ures. In addition, the consultants collect and document best practices at the various locations so that they can later share them with other plants.

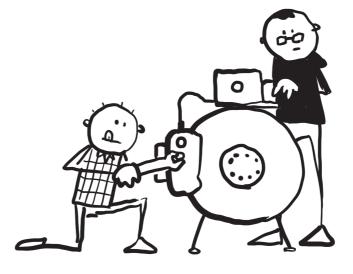
WEEK 12

comprehensive Maintenance Excellence Program is being set up to en-After completion of the assessment phase, the results were discussed in sure that the Group-wide maintenance organization is anchored and a management workshop. Six plants showed particularly high deficits in further developed on a sustainable basis. In a joint workshop with the machine availability and maintenance maturity. In these "focus plants", ROI experts, maintenance strategies and guidelines for selected lines ROI consultants are currently conducting one-week "deep dive assessand components were defined and instructions with the correspondments" in which they examine the causes of efficiency losses and the ing machine classifications, key figures and process descriptions were status quo of maintenance processes together with the experts on site. developed. The previously collected data is supplemented by on-site observations and impressions in order to arrive at a comprehensive and meaningful <u>WEEK 28</u> evaluation of the maintenance activities in the respective plant. The task force deployment is completed after 10 weeks. The first meas-

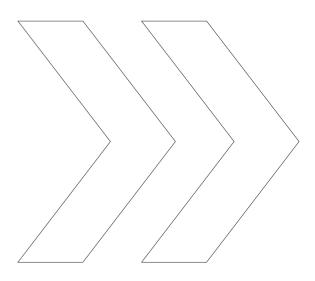
ures are already being implemented and their progress is regularly re-**WEEK 17** ported. The first successes have already become visible. Now the rollout Based on the insights gained from the assessments, the ROI experts have begins in further areas or lines; the task managers hand over the control compiled a tailor-made tool kit that is ideally tailored to the requireand monitoring tasks to the regular maintenance and reliability managers. At the same time, the establishment of a comprehensive Mainments of the individual focus works in recent weeks. It contains various tried and tested maintenance tools, project management tools and tenance Excellence System is progressing by creating the technical, problem solving techniques to enable local managers to take measures organizational and personnel prerequisites for a locally controlled but to reduce waste. A one-week training course is currently taking place in globally coordinated maintenance organization. On the one hand, this the ROI learning factory in Prague to ensure that these so-called "task includes a future-proof IT infrastructure geared to maintenance proforce managers" have the necessary know-how to successfully use the cesses, which supports real-time-based maintenance processes through tools. There they not only learn the basics of lean maintenance, but also a modern MES architecture and Smart Data Analytics. Secondly, organdefine the joint procedure for implementing measures at the respective izational structures and management processes as well as a training and locations. For the first time, a company-wide maintenance network and qualification concept at all levels that ensures sustainable implemenprofessional exchange across the various plants will be created. tation

WEEK 21

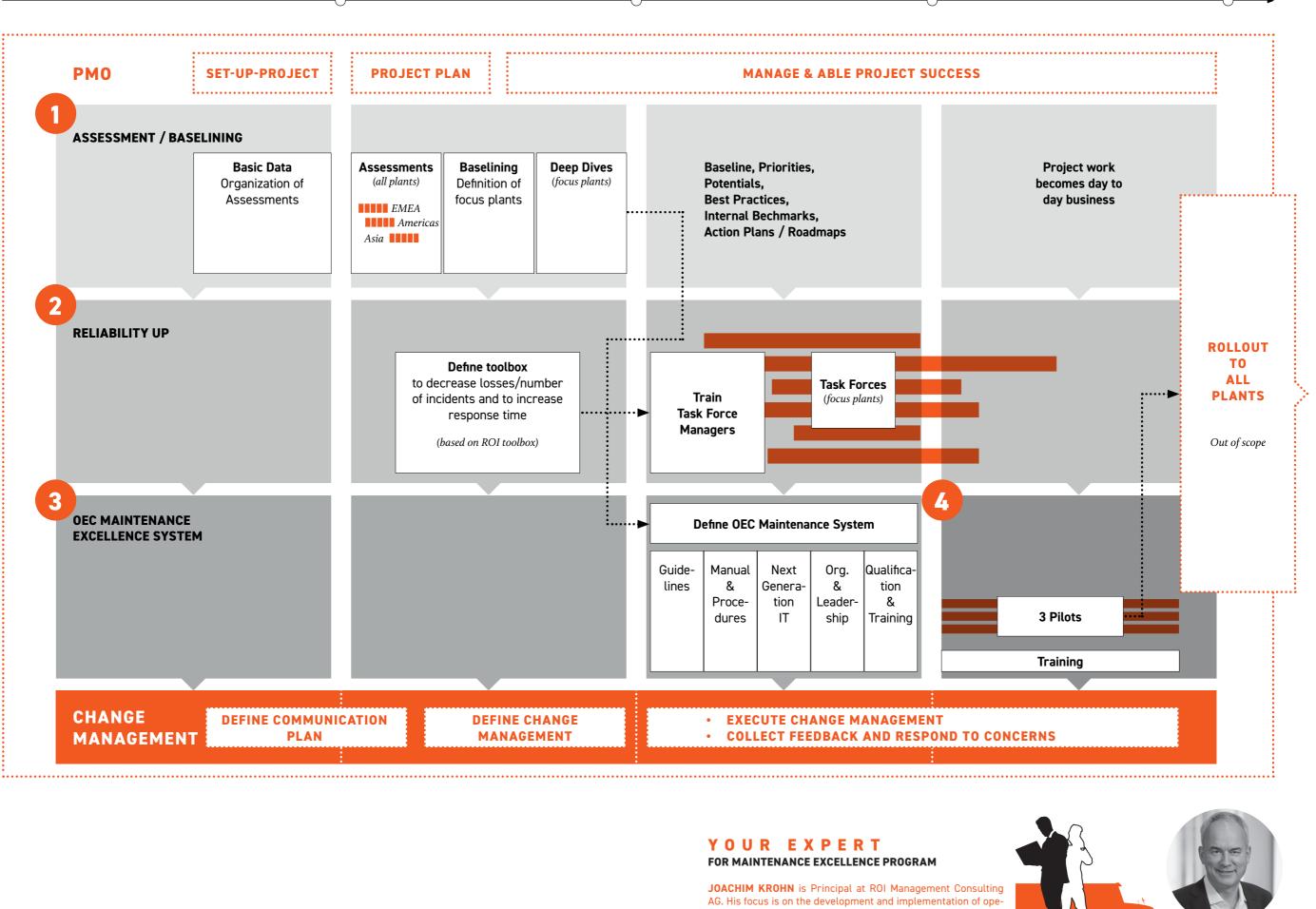
Back at the plants, the task force managers have started to implement One year after completion of the planning phase, the Maintence Exthe IO-week optimization program. Initially, further inventory analyses cellence System has been rolled out in large parts of the Group and is were carried out and cross-functional project teams put together. The being applied successfully. ROI experts accompanied the pilot phase as measures derived from the root cause analyses will be implemented in trainers and sparring partners and helped prepare the rollout. The regthe coming weeks. Centralized project management and standardized ular reports show that the OAU has now risen from 77% to over 85%. As tools and templates ensure comparability of implementation progress a result, the maintenance costs could be reduced considerably within and optimal know-how transfer across all plants. At the same time, a one year.



WEEK 70







rational excellence systems to improve performance along the entire value chain.

Joachim Krohn