Connected software solutions for *Industry* **4.0** User demand and requirements - today and in the future



For this market study, more than 180 users of Industry 4.0 software solutions have been surveyed who work at manufacturing companies in Germany, Austria, and Switzerland. Around one third are production managers at Bosch plants. Two thirds work at other manufacturing companies.

Connected software solutions for Industry 4.0?



They make existing data from various manufacturing systems available in an integrated user interface.



03

Using visualization tools and evaluation methods, they help mine the data for new insights (manually and automated).

They provide a basis from which to make quick and informed decisions, continuously improve productivity and flexibility, and sustainably increase competitiveness.

01

Where do manufacturing experts get information on *Industry 4.0*?

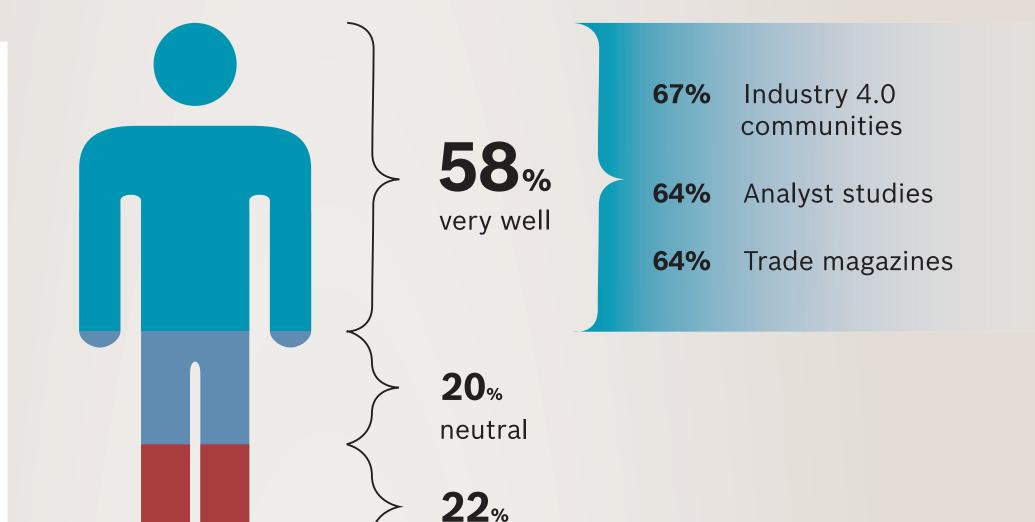


02

How do production managers rate their knowledge of *Industry 4.0*?

The level of information is very high - communities play an important role.

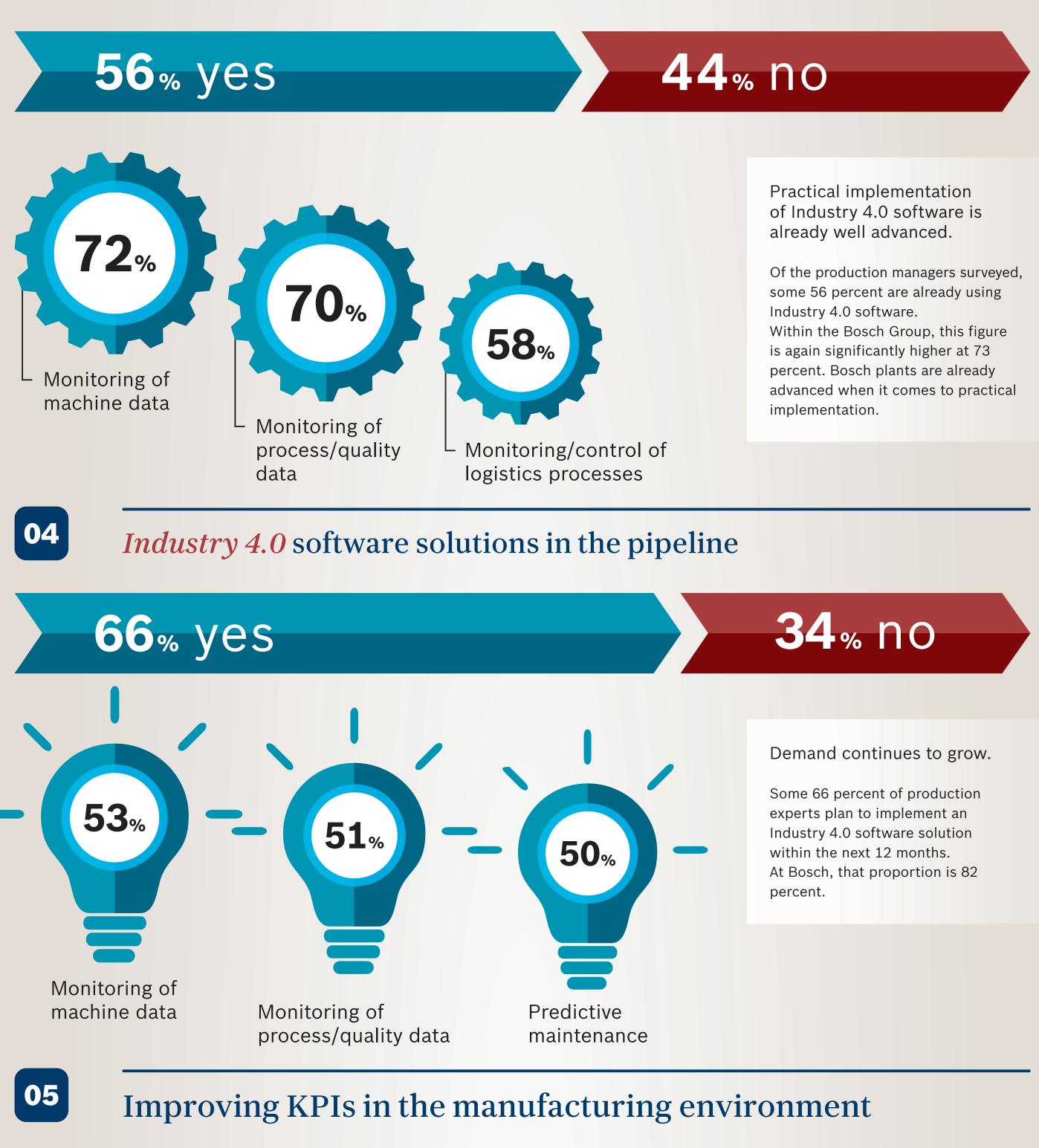
When asked to rate their own knowledge, 58 percent said they felt very well informed. Within the Bosch Group, the level of information is even higher at 65 percent. Bosch places great value on the topic of the "future of manufacturing," both as a leading supplier and leading user. As the level of information increases, so does the importance of Industry 4.0 communities for

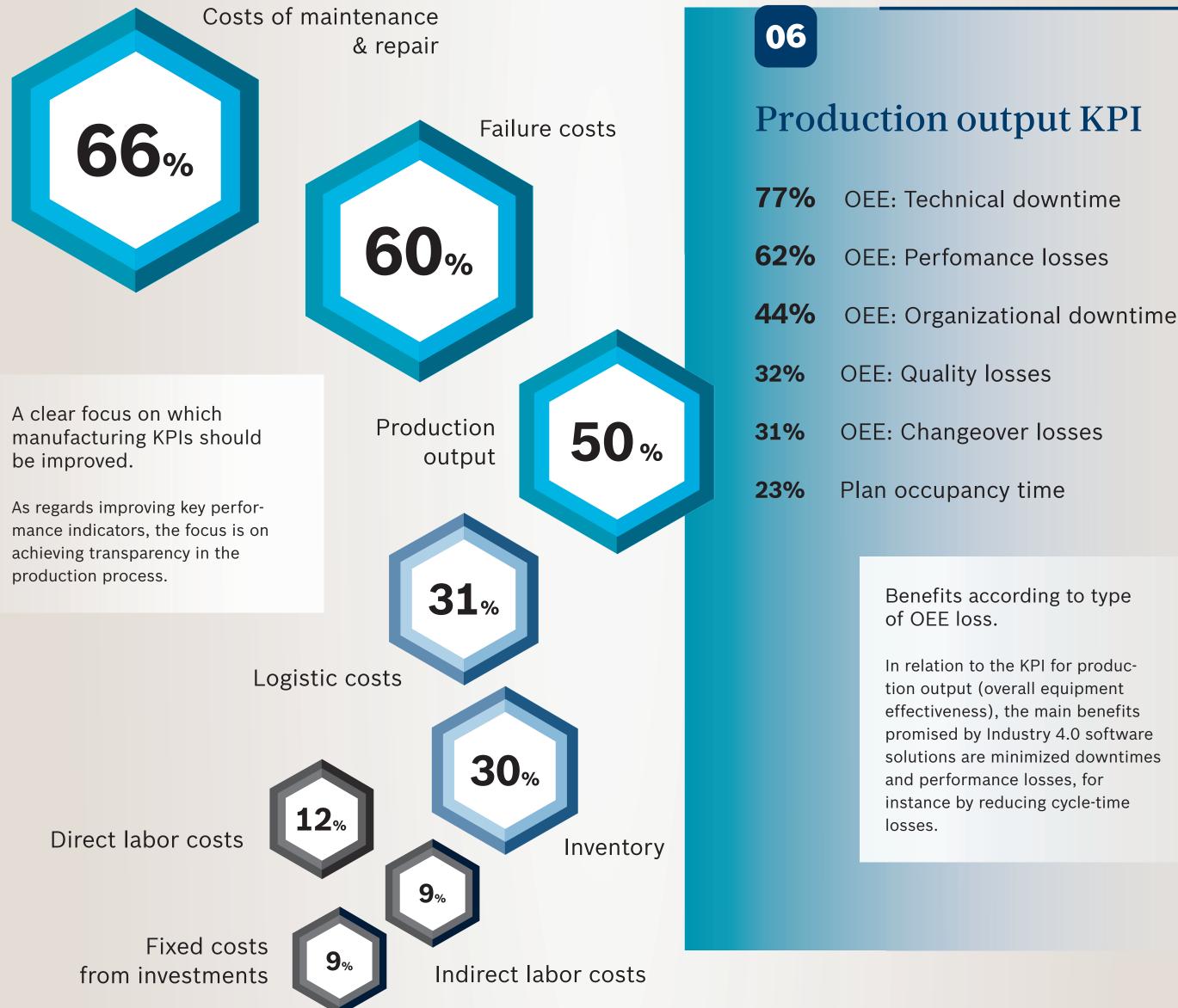


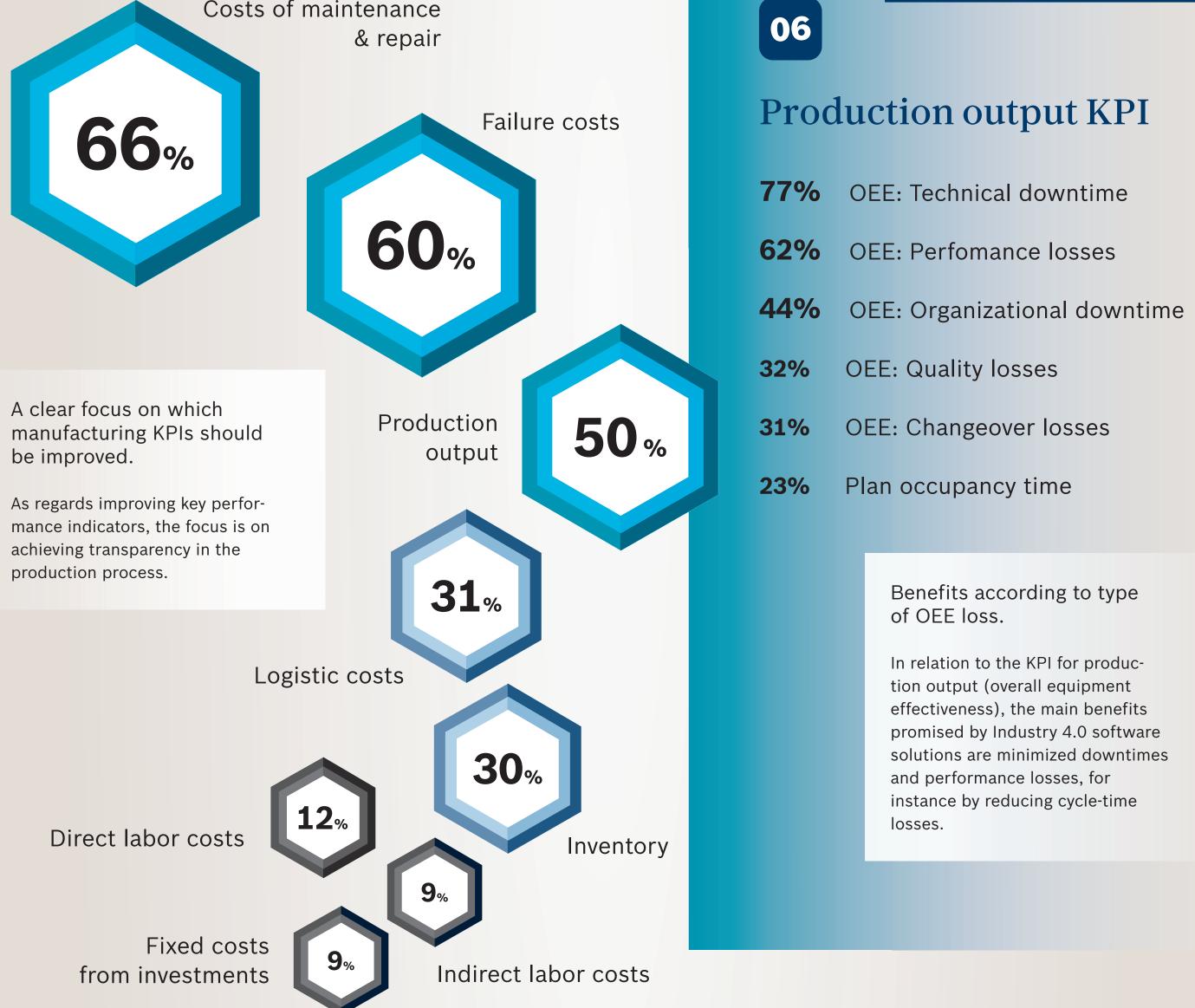
not well

expanding and shaping the overall store of knowledge.

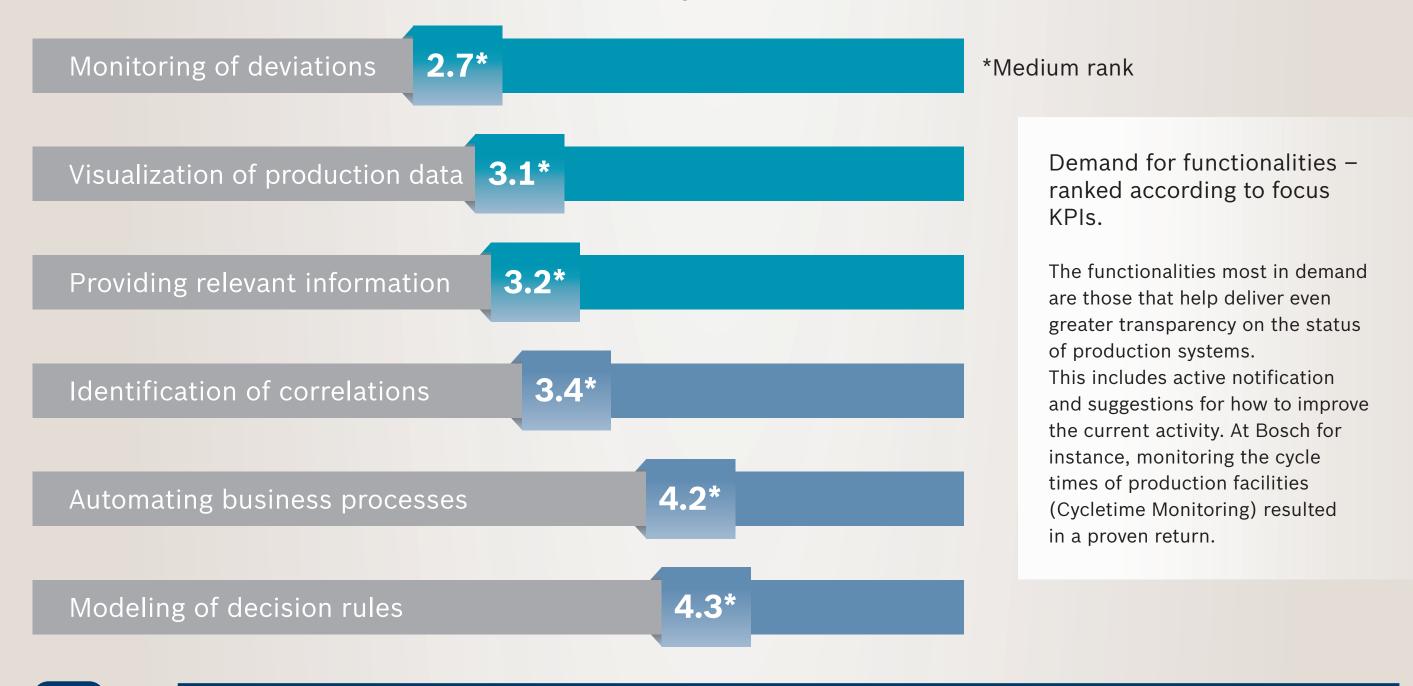
Industry 4.0 software solutions in use







Functionalities of *Industry 4.0* software solutions

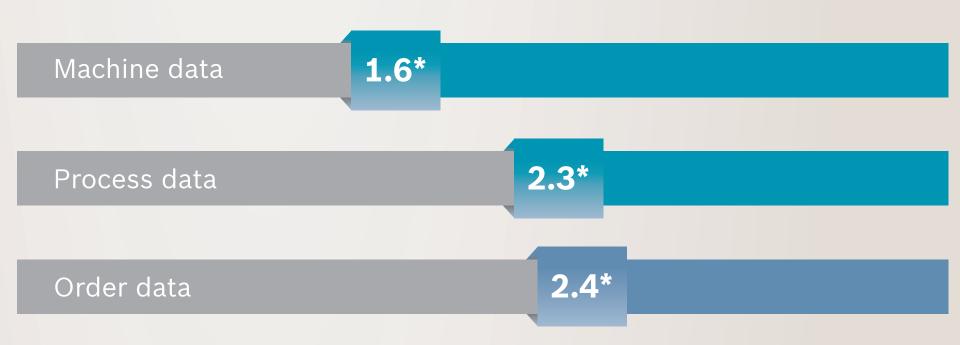


Relevance of data to be analyzed

*Medium rank

Is employee data relevant to analysis?

Employee data has been deemed the least important; machine and process data takes clear precedence for analysis by Industry 4.0 software solutions. For instance, machine data should be analyzed for cycle times, malfunctions, and overall equipment effectiveness



08

07

