

English TPM Glossary

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Japan Institute of Plant Maintenance

8-shaped development

8の字展開

The 8-shaped development method is a means of promoting the activities and organizing quality control systems. The 8-shaped development method basically has seven steps, formed by combining the two fundamental phases (maintenance and improvement) with the PDCA cycle (the basics of management). Figure 1 depicts the concept.

The first step in the maintenance management phase is the analysis of the status quo, in which malfunctions are discovered. The second step is restoration, in which the malfunctions are addressed to restore what is right, and the results are checked and evaluated. Then the path is divided into the third and sixth steps as shown in Figure 2. Following these steps strengthens the system of quality assurance.

Figure1 Concept of 8-shaped development method

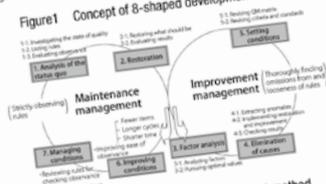
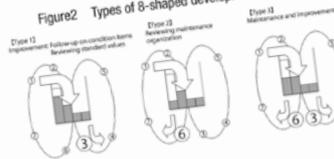


Figure2 Types of 8-shaped development method



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equipment failure loss

設備故障ロス

Time loss that results from sporadic plant stoppage where plant or equipment ceases to function as specified.

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