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The White Polymer Case Study

Recall the White Polymer case study, which was introduced in the first module. You revisit this case study throughout the course.

Here's the scenario. You are a process engineer at a company, MoldMat Ltd., which manufactures granulated white plastic at a plant in Britain and supplies it to a molding plant in Italy.

In Italy it is made into white garden chairs and tables.

The production process goes through intermittent phases when quality drops, leading to yield losses at both the polymer and molding plants.

Crises occur two or three times a year, and you are assigned to a team to solve the problem once and for all.

The key performance indicator (or KPI) is polymer Yield.

Two output characteristics that are directly related to Yield are the polymer Melt Flow Index (or MFI) and the Color Index (or CI).

If you can understand and improve these two characteristics, you will improve the yield.

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