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progress™*

Six Sigma

-Introduction

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Six Sigma

- Six Sigma is a data-driven approach and a Management Strategy which is used to shifting the mean and reducing the process variation

Normal Distribution

Process Improvement

Process Improvement

Process	Defects per Million Opportunities (DPMO)	Yield (%)	Process Capability (Cp)	Process Capability Index (Cpk)	Process Sigma Level
1.0	3,400,000	0.0006	0.0000	0.0000	0.0
2.0	45,000	99.933	0.33	0.33	2.0
3.0	67,000	99.933	0.67	0.67	3.0
4.0	6,210	99.937	1.33	1.33	4.0
5.0	233	99.977	2.00	2.00	5.0
6.0	3.4	99.9994	2.33	2.33	6.0

Source: Motorola Six Sigma Handbook, 1986

