



Facility layout analysis saves money.

IET worked with BorgWarner to determine if a proposed layout was justified.

The Customer

A major automotive supplier.

The Challenge

The client required the development of a world-class transfer case layout. Material flow between component cells and assembly needed to be evaluated along with justification for the expense of any proposed changes.

The Solutions

IET determined the proposed layout and found the expansion to be excessive. There were too many cells moved without benefit. IET conducted Kaizen studies to identify excessive waste, and work sampling studies to detect inefficiencies. IET established a Kanban (or pull) system to replace the existing push system, and introduced single minute exchange of dies (SMED) to reduce setup time.

IET presented the client with an improved layout that was 50% more accurate and 50% less expensive than the original layout proposed by the client. Setup time was reduced. Improved productivity and reduced waste resulted in reduced costs.

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3539 Glendale Ave. Toledo, OH 43614
 419.385.1233 800.278.1031
 www.ieteng.com

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How can IET help you?

Any way you need us to.

Productivity	Capacity planning	New manufacturing	Indirect labor design	Total value analysis
Current production standards	Key capital resources	Detailed process map	Standards	Make vs. buy
Current production performance	Direct and indirect labor	Layout	Material handling	Site selection
Detailed reasons for variances	Salaried personnel	Facilities	Supervision	Consolidation
Detailed plan for improvement	Facilities	Labor	Maintenance	Vertical integration
Goal-setting, accountability		Support	Plan for improvement	Horizontal integration