

# JIT, TPS, and Lean Operations

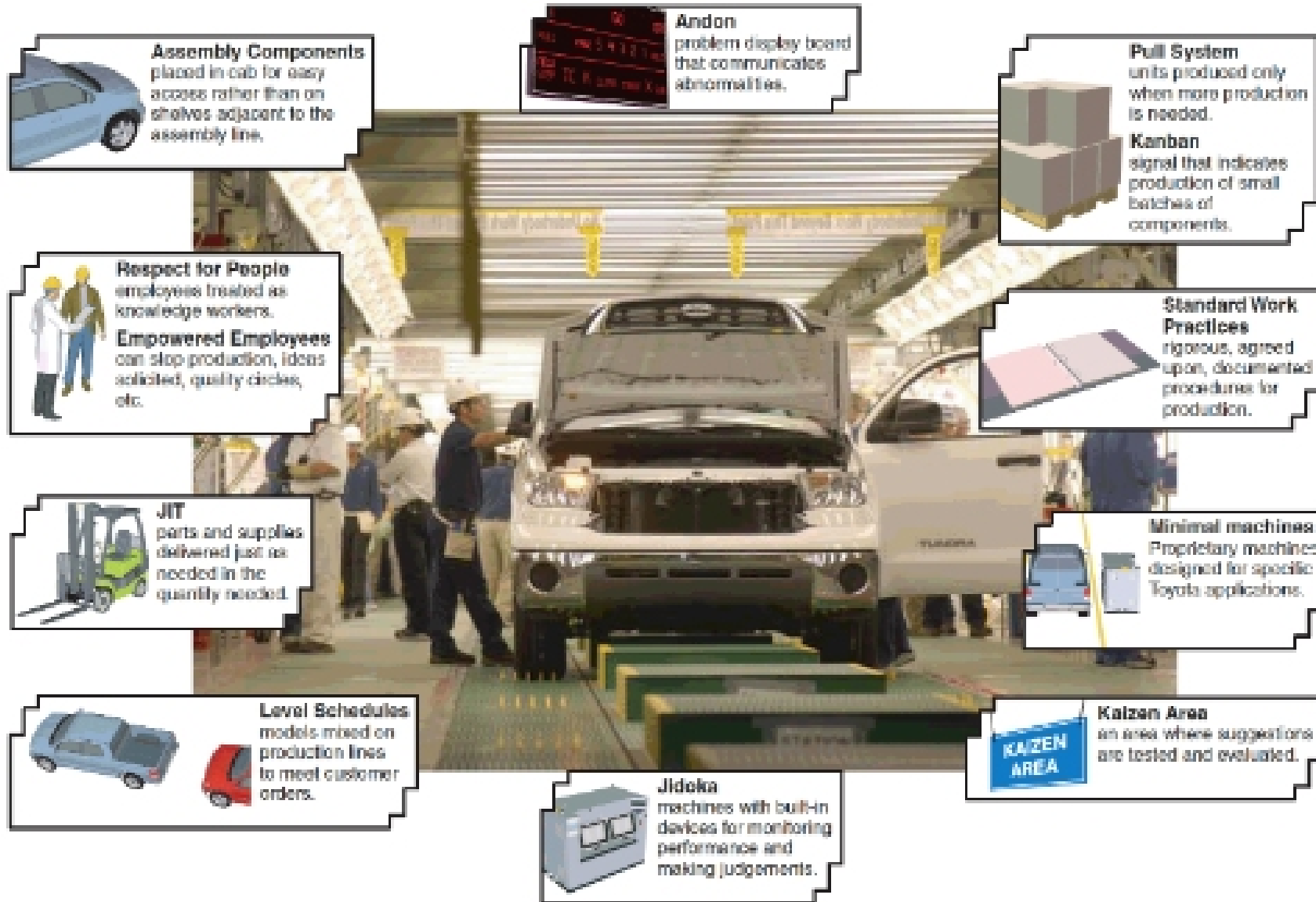
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# Learning Objectives

When you complete this chapter you should be able to:

1. Define just-in-time, TPS, and lean operations
2. Define the seven wastes and the 5 Ss
3. Explain JIT partnerships
4. Determine optimal setup time
5. Define kanban
6. Compute the required number of kanbans
7. Explain the principles of the Toyota Production System

# TPS Elements



1 AGC Automotive Americas  
Glass assemblies

3 ARK Inc.  
Industrial waste management, recycling

3 HERO Assemblers LLP  
Assembly of tire onto wheel

4 HERO Logistics LLP  
Logistics

2 PPG Industries Inc.  
Glass assemblies

6 Reyes Automotive Group  
Interior/exterior parts

2 Tokai Rika  
Functional parts

7 Suppliers inside the main plant