



Module-01: Introduction to Supply Chain Management

Supply Chain MasterClass - Based on IMBoK v3.0
from Fyzics Business Consultants Pvt. Ltd.



M1
INTRODUCTION TO SCM

SUPPLY CHAIN MANAGEMENT



AGENDA

M1-01: Sectors of Economy

M1-02: Business Environment

M1-03: Define Supply Chain

M1-04: Supply Chain Stakeholders

M1-05: Factors Responsible for the Pressure on Supply Chain

M1-06: The Three Dimensions of Inventory

M1-07: Evolution of Supply Chain

M1-08: The 20 Key Supply Chain Processes

M1-09: Conformance and Performance Specifications

M1-10: Conflicting Objectives of Stakeholders

M1-11: Supply Chain Objectives

M1-12: Manufacturing Strategy

M1-13: Manufacturing Planning and Control

M1-14: Supply Chain Metrics

M1-15: Introduction to Financial Statements

M1-16: Accounting Equation, Balance Sheet, Income Statement and Cash-Flow Statement

M1-17: Three Entities and Four Flows

M1-18: The Three Levels of Supply Chain

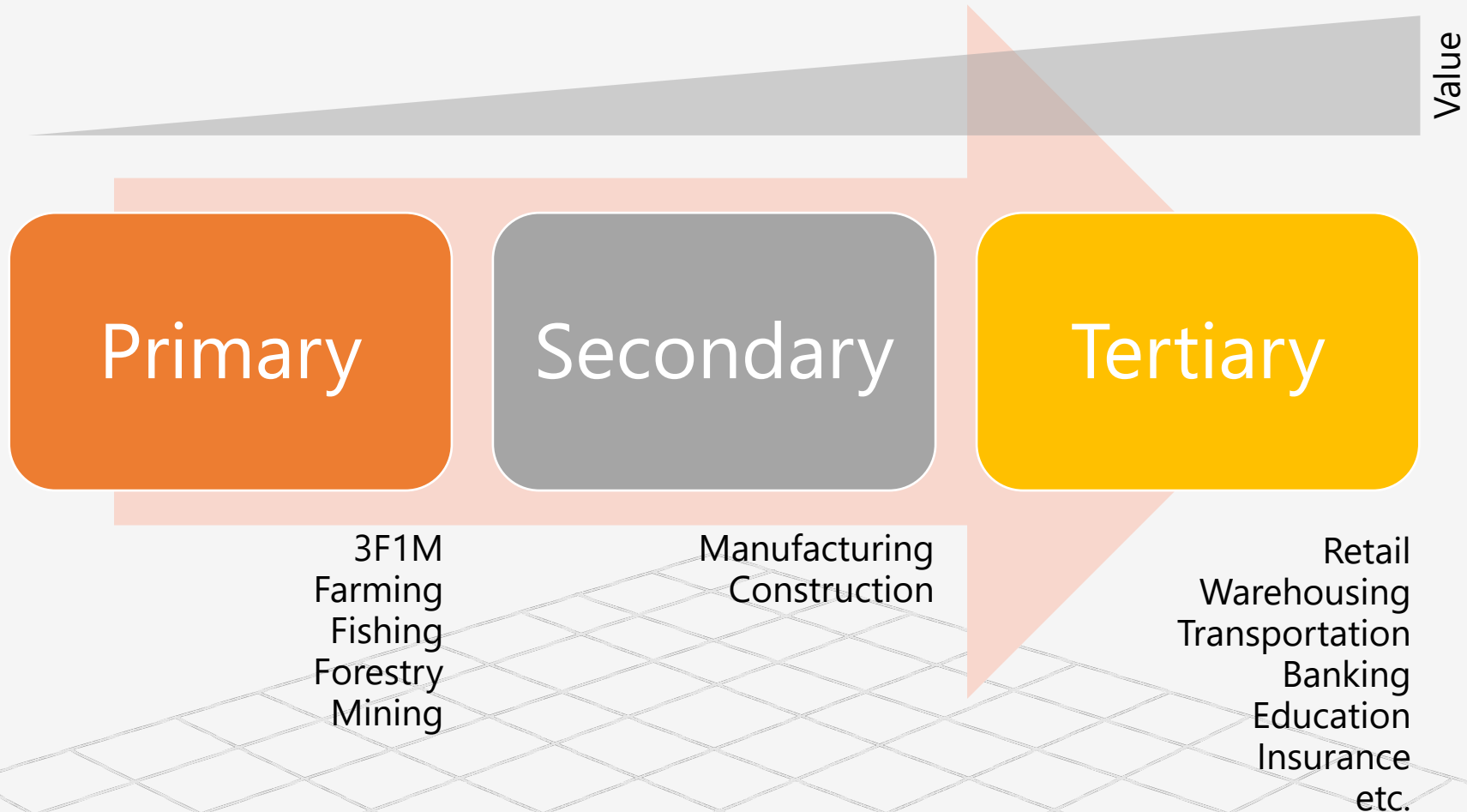
M1-19: Physical Supply and Physical Distribution

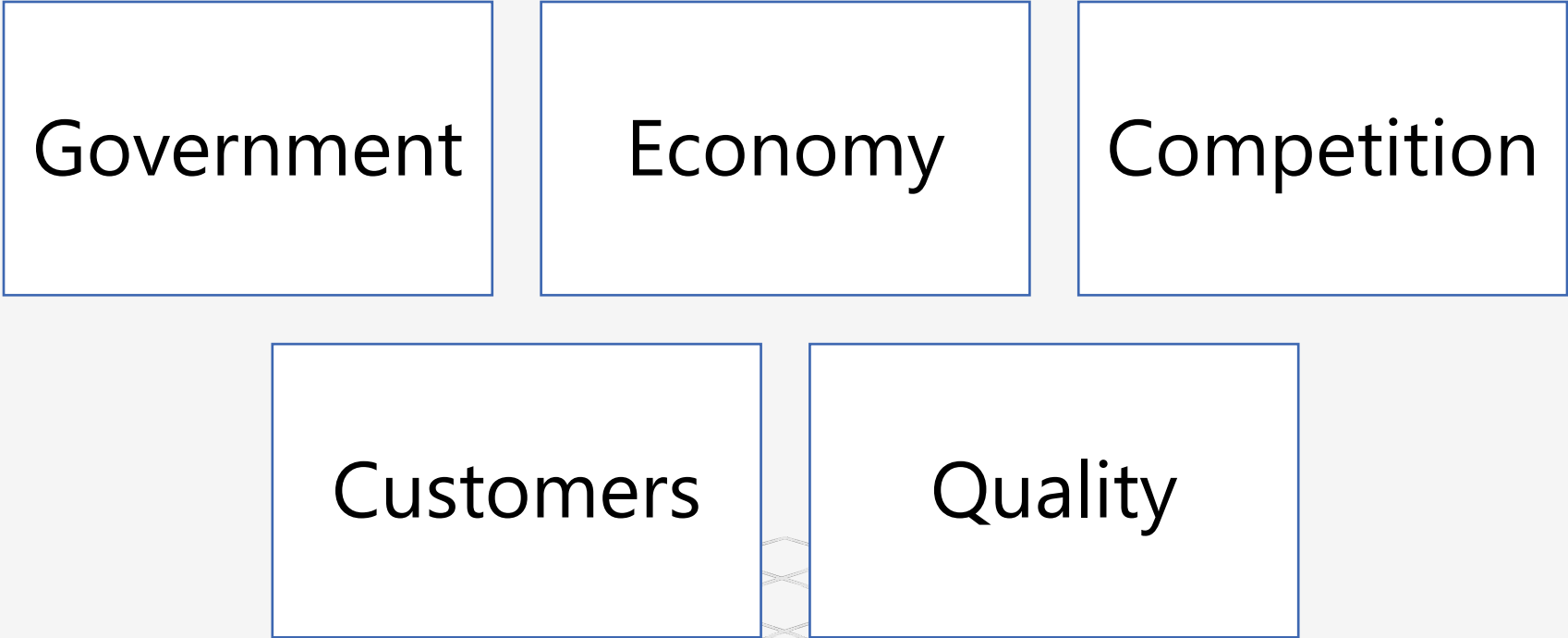
M1-20: Enterprise Inventory Policy

Sectors of Economy



M1-01







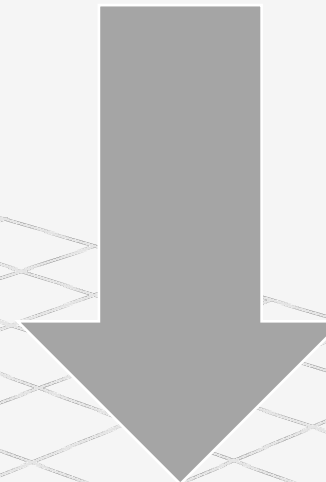
Supply chain is a complex, global network of people, processes and systems with a mission to source, store, transform and transport materials and to deliver the finished goods to the consumers.



Stakeholders are the people either affecting a process or affected by a process.



External



Internal

Factors Responsible for the Pressure on Supply Chain



M1-05



Globalisation



Customers



V&V



Competition



Governments



Resources



Technology



Business Model



Environmental

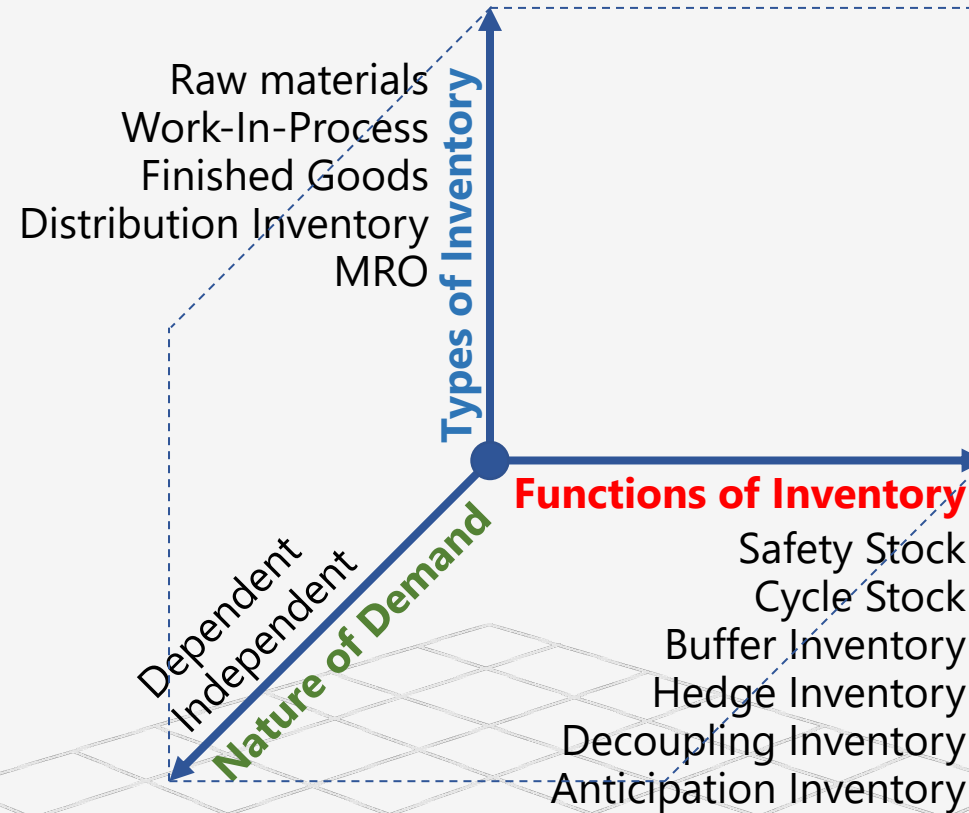


Social

The Three Dimensions of Inventory



M1-06



Evolution of Supply Chain



M1-07



1.0

- 1760
- Steam



2.0

- 1840
- Technology



3.0

- 1970
- IT



4.0

- 2011
- IoT, AI etc.

The 20 Key Supply Chain Processes



M1-08

Supply Chain Processes

Planning	Distributing
Sourcing	Returning
Negotiating	Bonding
Contracting	Securing
Purchasing	Analysing
Transporting	Measuring
Transforming	Improving
Replenishing	Disposing
Fulfilment	Compliance
Storing	Financing

Processes Analysis

What is a process?
Process overview
Process boundaries
Activities and Tasks associated with the process
SIPOC diagram
Values delivered by the process
Key parameters

Conformance and Performance Specifications



M1-09



TSD



RSD

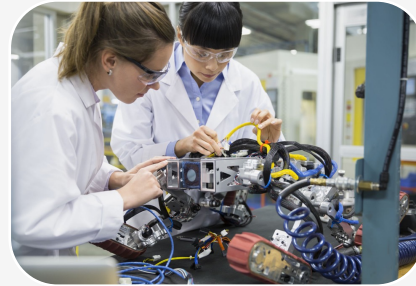
Conflicting Objectives of Stakeholders



M1-10



Customer Service



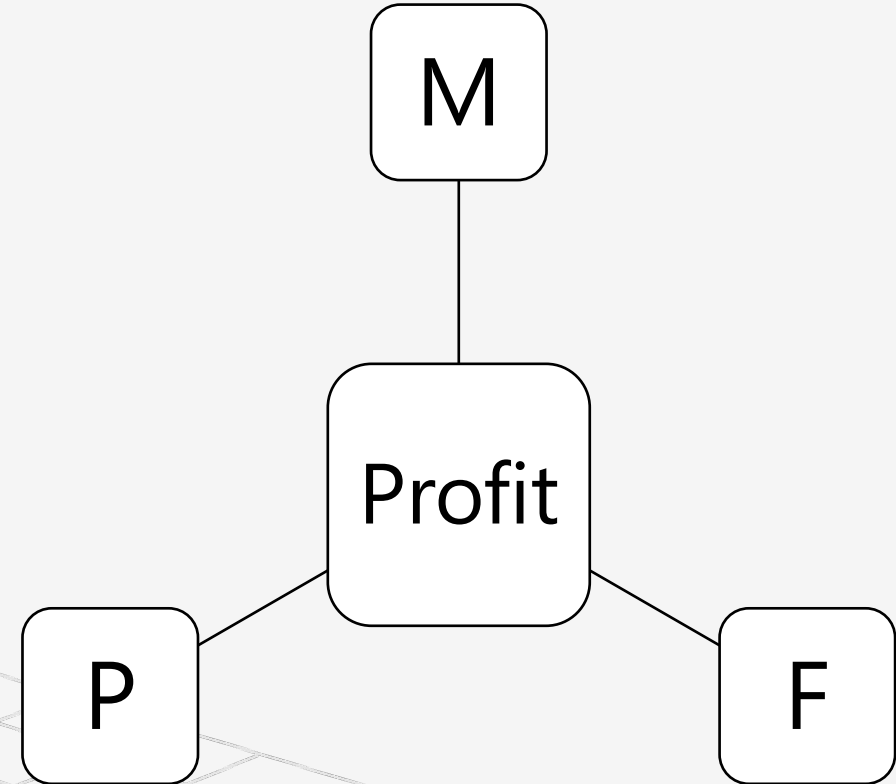
Production Costs



Inventory Investment



Distribution Costs

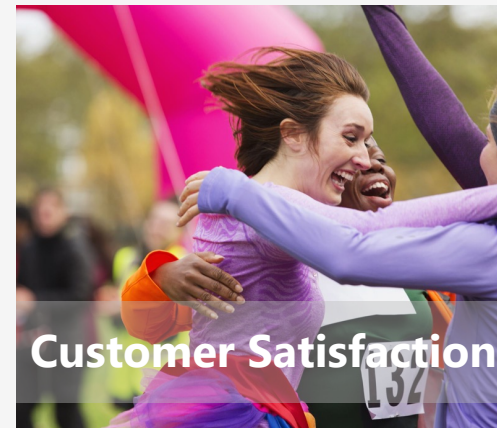


Supply Chain Objectives



M1-11

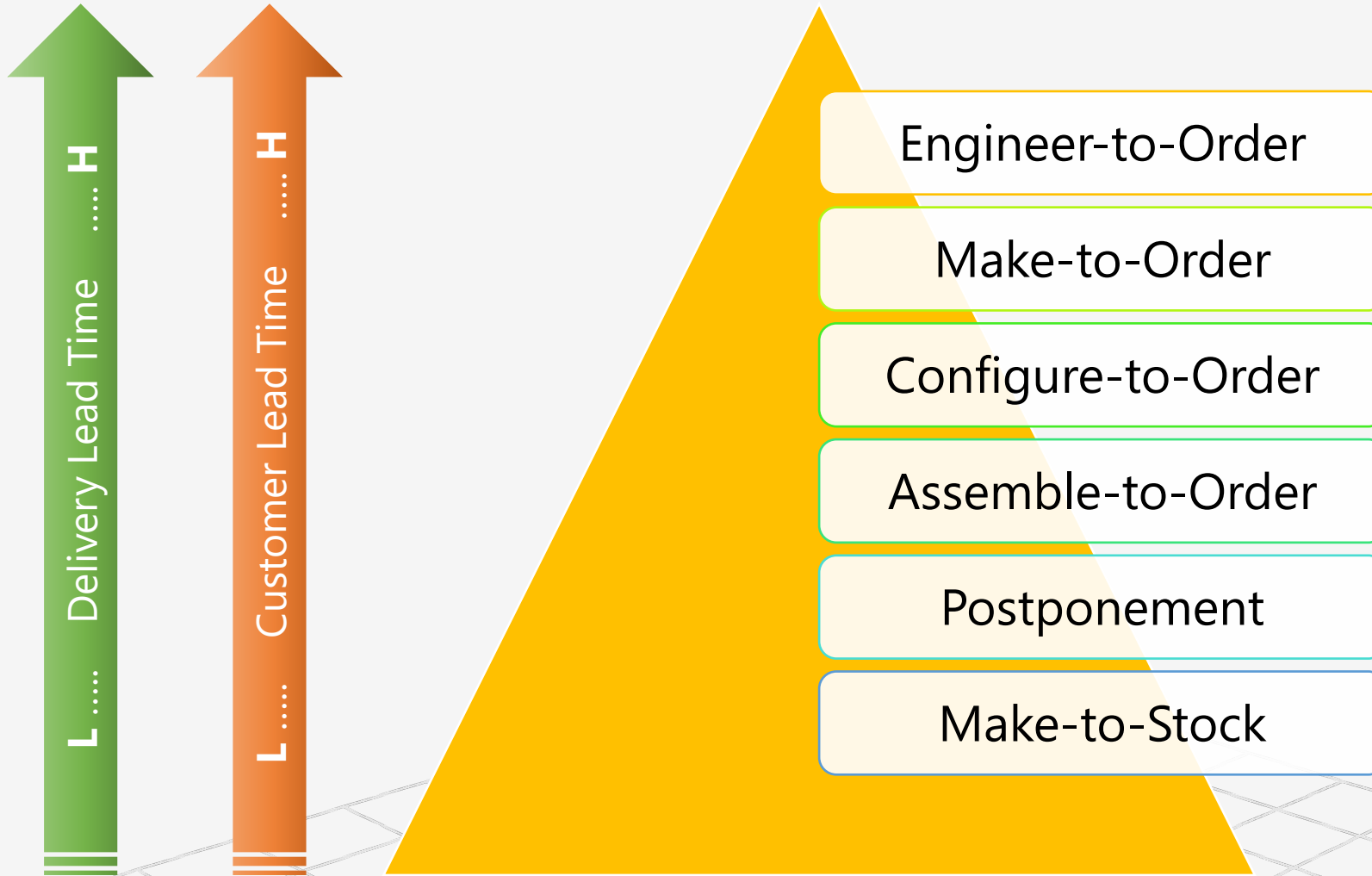
- Right Product
- Right Quantity
- Right Quality
- Right Customer
- Right Time
- Right Place
- Right Price
- Right Process
- Right Documentation
- Right Packing
- Right Packaging
- Right Closure



Manufacturing Strategy



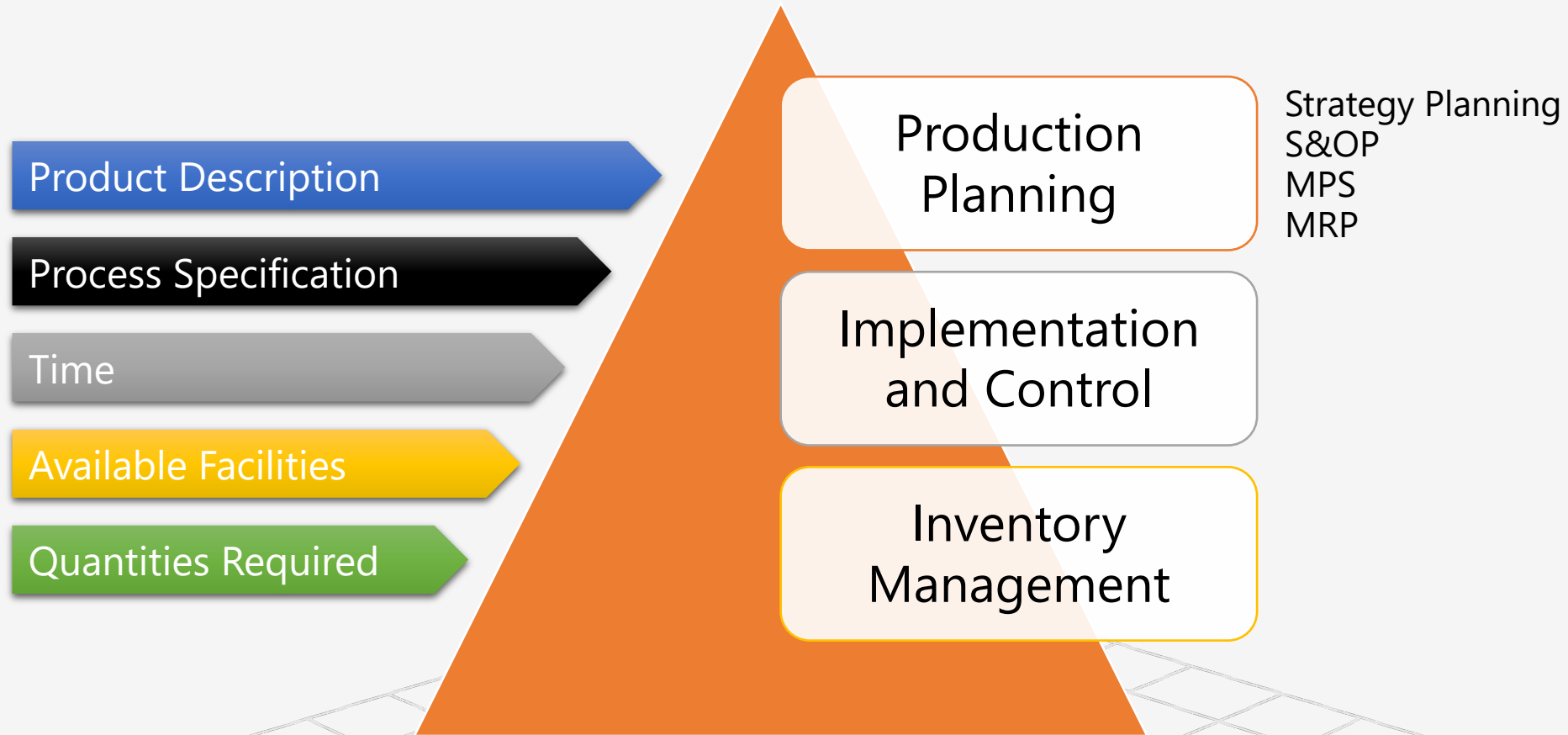
M1-12

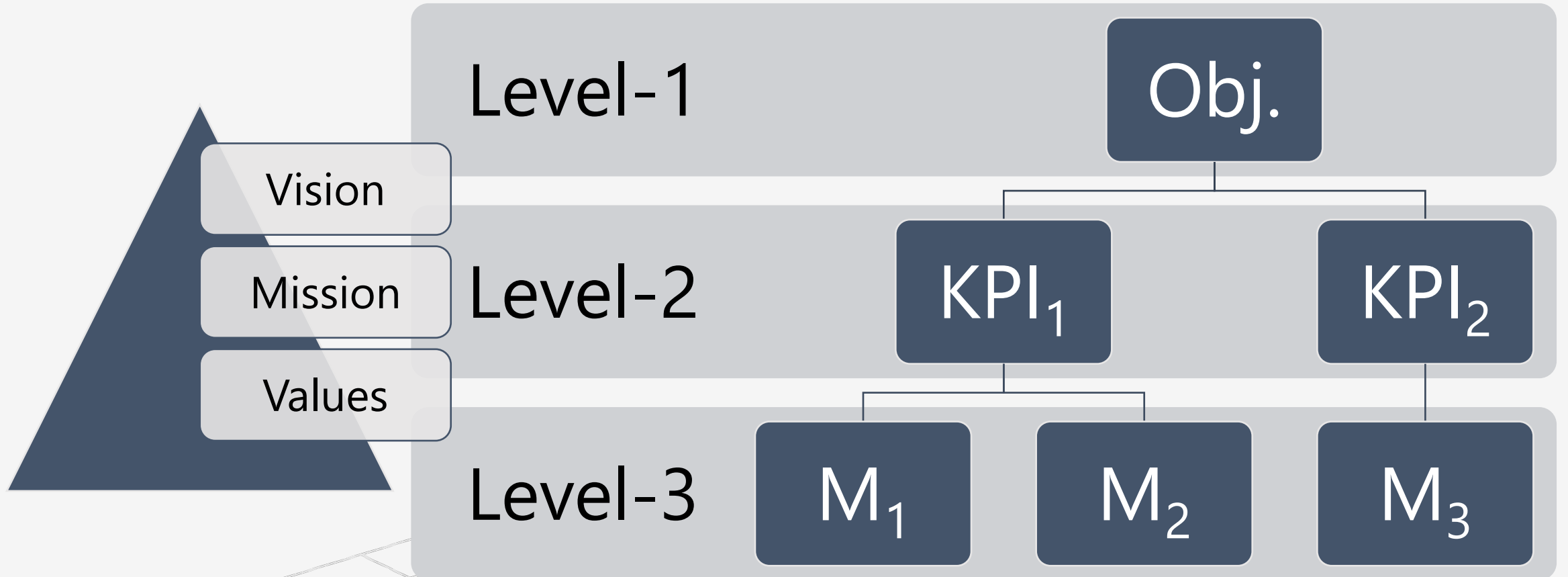


Manufacturing Planning and Control



M1-13

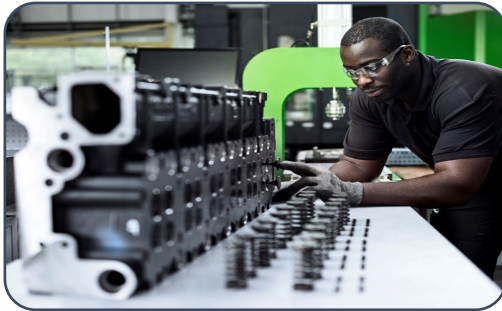




Introduction to Financial Statements



M1-15



B/S

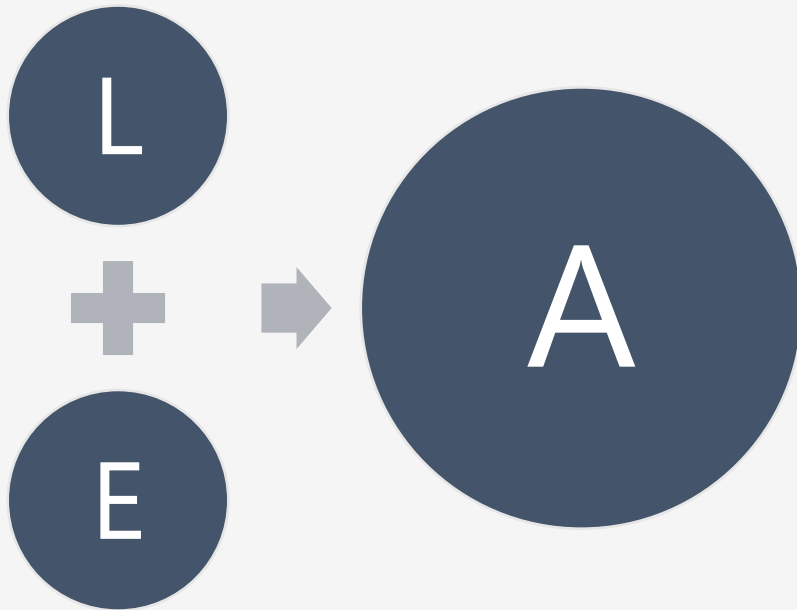
P&L

CF

Accounting Equation, Balance Sheet, Income Statement and Cash-Flow Statement



M1-16



Assets	Liabilities
Current Asset	Liabilities towards Others
Fixed Asset	Owner's Equity

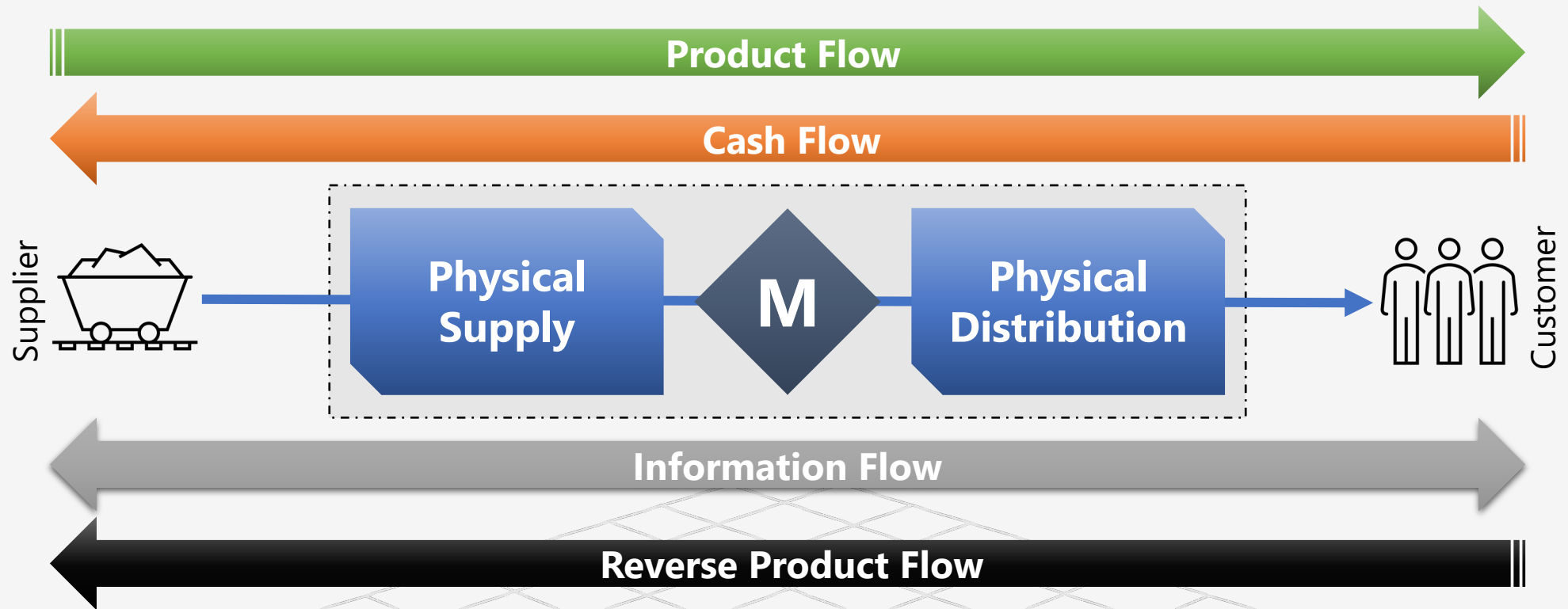
Revenue
COGS
Gross Profit

Profit
Adjustments
Cash on Hand

Three Entities and Four Flows



M1-17



The Three Levels of Supply Chain



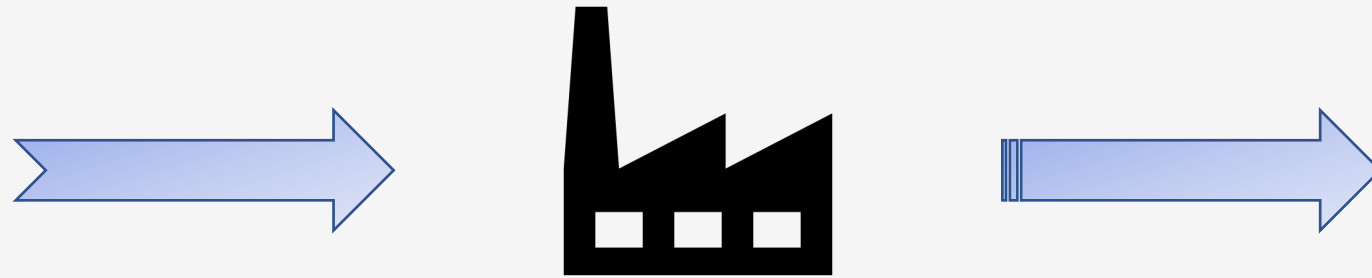
M1-18



Physical Supply & Physical Distribution



M1-19



Physical Supply

Transportation
Inventory
Warehousing
Material Handling
Procurement
SRM

Production Process

Inventory
Stores
Material Handling
MPC
Manufacturing

Physical Distribution

Transportation
Distribution Inventory
Warehousing
Material Handling
Order Entry
CRM



EIP is a constitution for an organization on all matters pertaining to inventory. EIP shall be in alignment with Corporate and Supply Chain Strategy. All Standard Operating Procedures (SOPs) that impact inventory processes shall emanate from EIP.

Questions & Answers





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