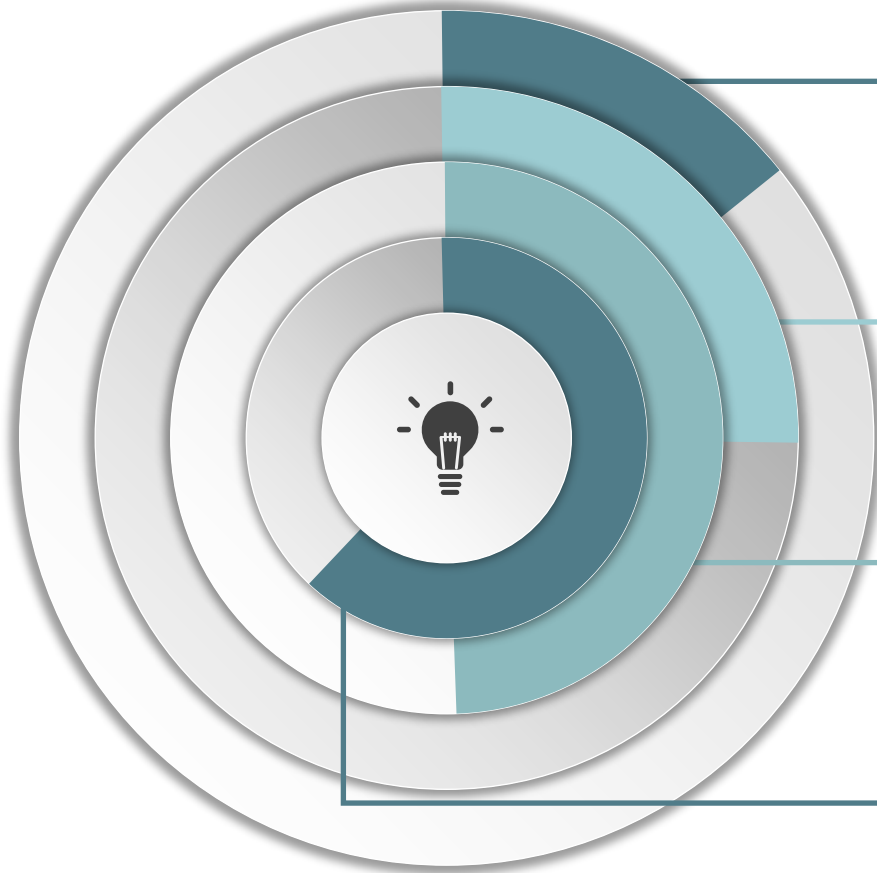


Distribution in the era of Industry 4.0

Dr Sabyasachi Dey

Introduction



Nowadays, the fourth industrial revolution—fourth in the sense of its innovative and qualitative nature—is taking place..



The fourth industrial revolution is based on data. The way it can be gathered and analyzed, and used to make the right decisions and develop, has become a competitive factor.



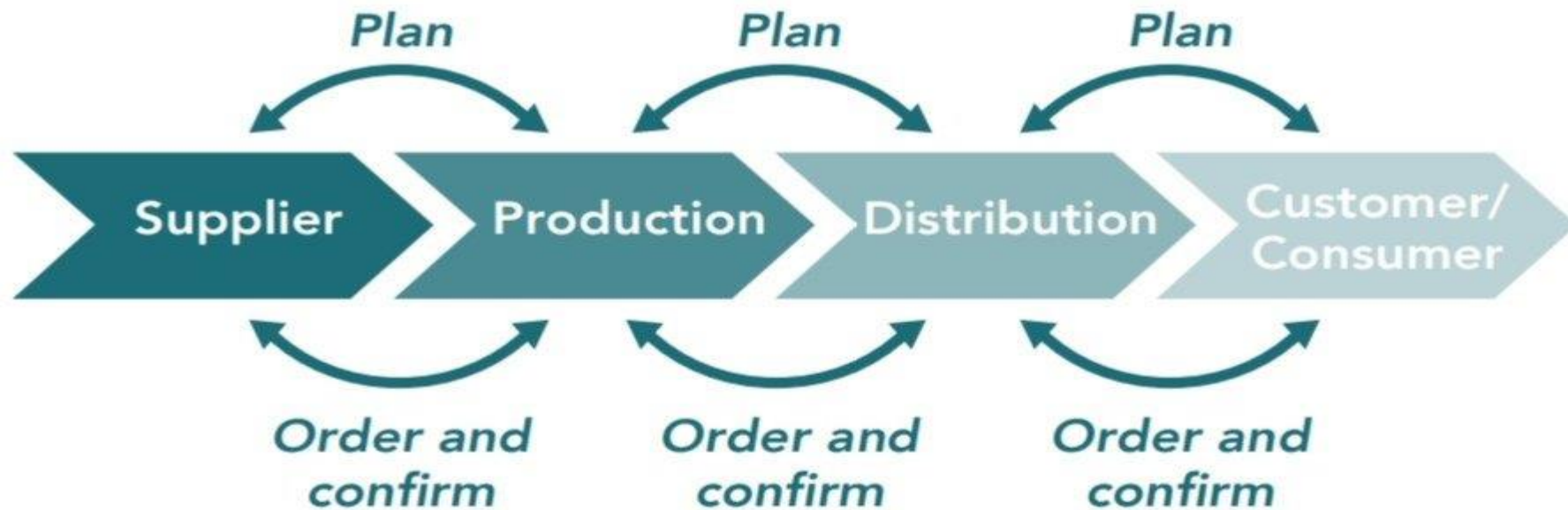
In recent decades, manufacturing and production systems have been gradually supplemented by information technology support instruments.



There is no sector in any industry that has been left untouched by digitization. Logistics is no exception, and the fourth industrial revolution has brought a tremendous increase in efficiency in this area as well.

Traditional SCM

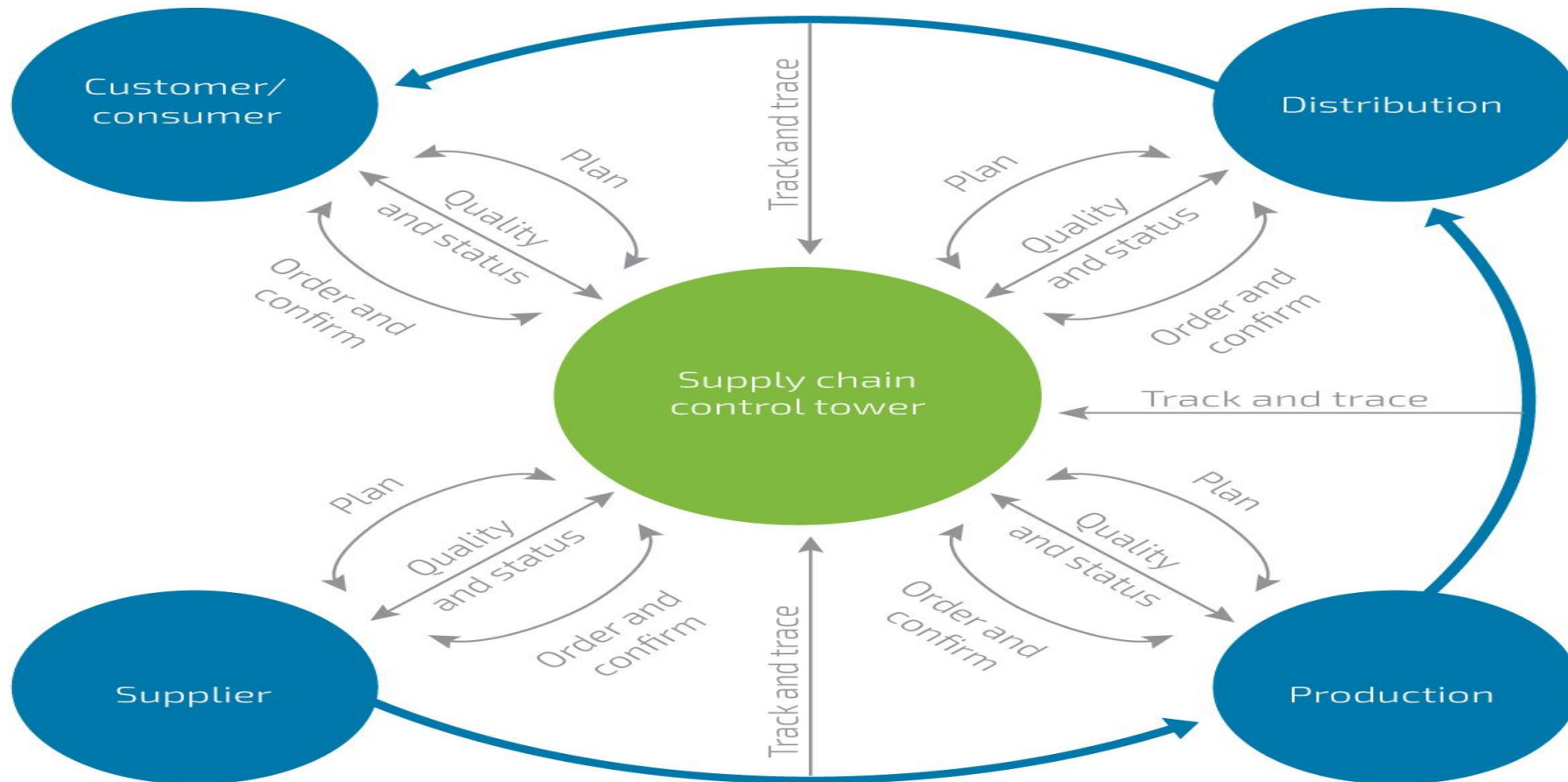
FIGURE 5.5 Traditional supply chain model



Source: PWC 2016b.

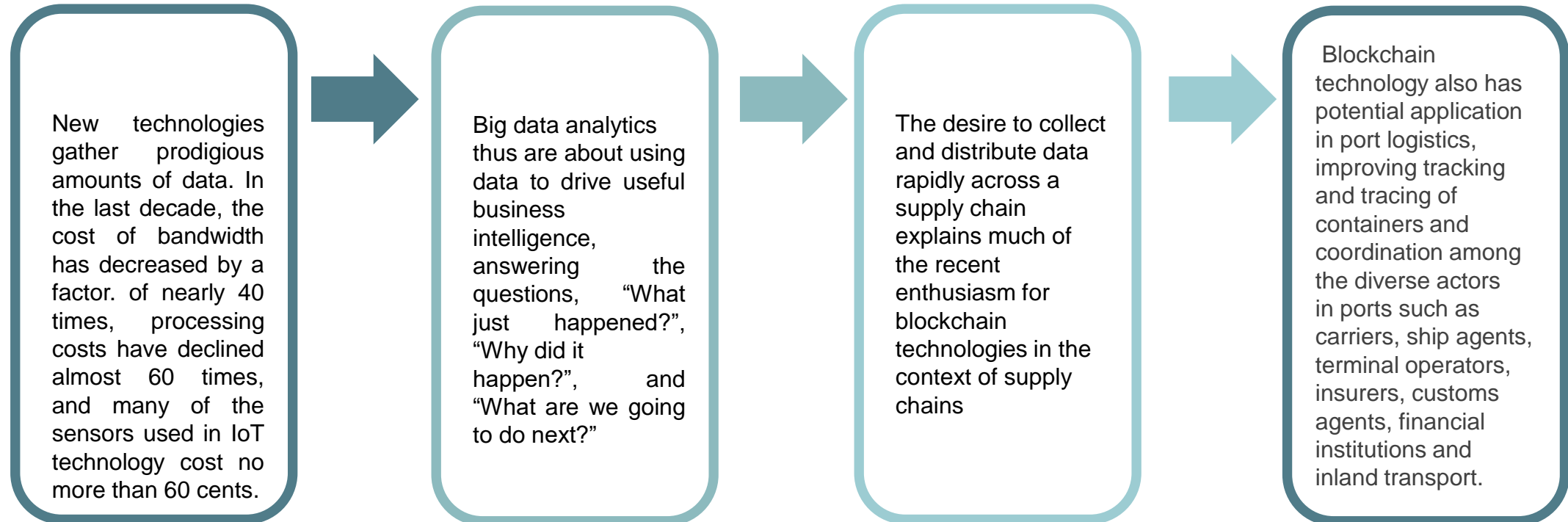
Integrated supply chain ecosystem

Integrated supply chain ecosystem

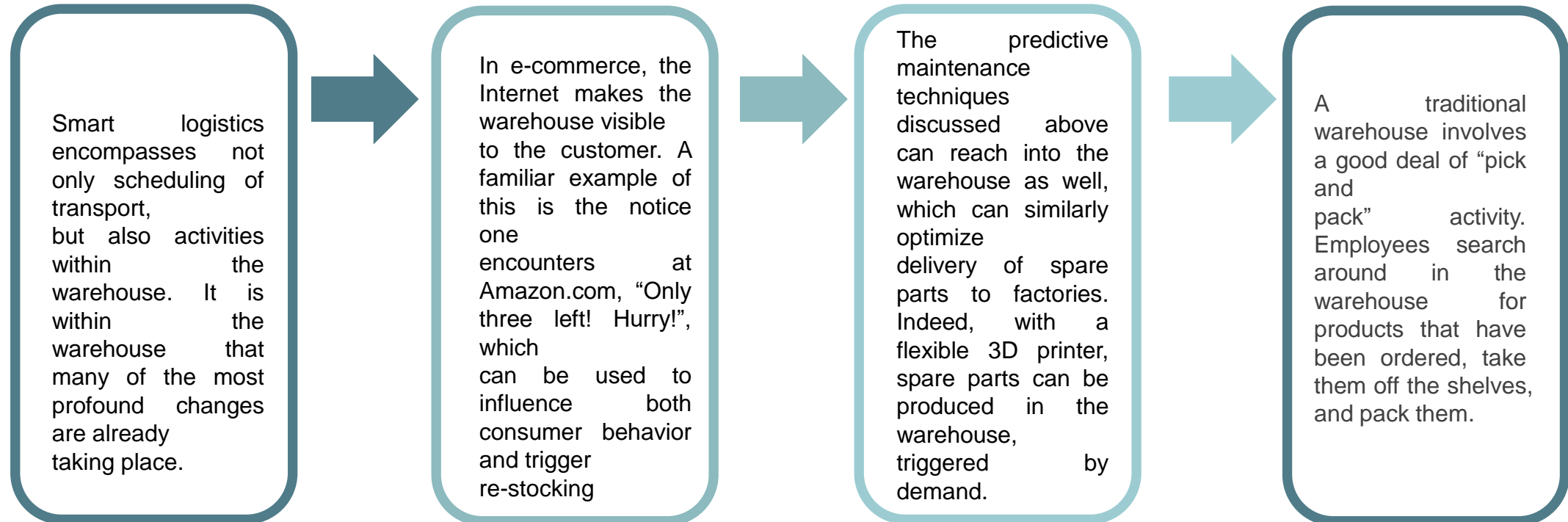


infopulse

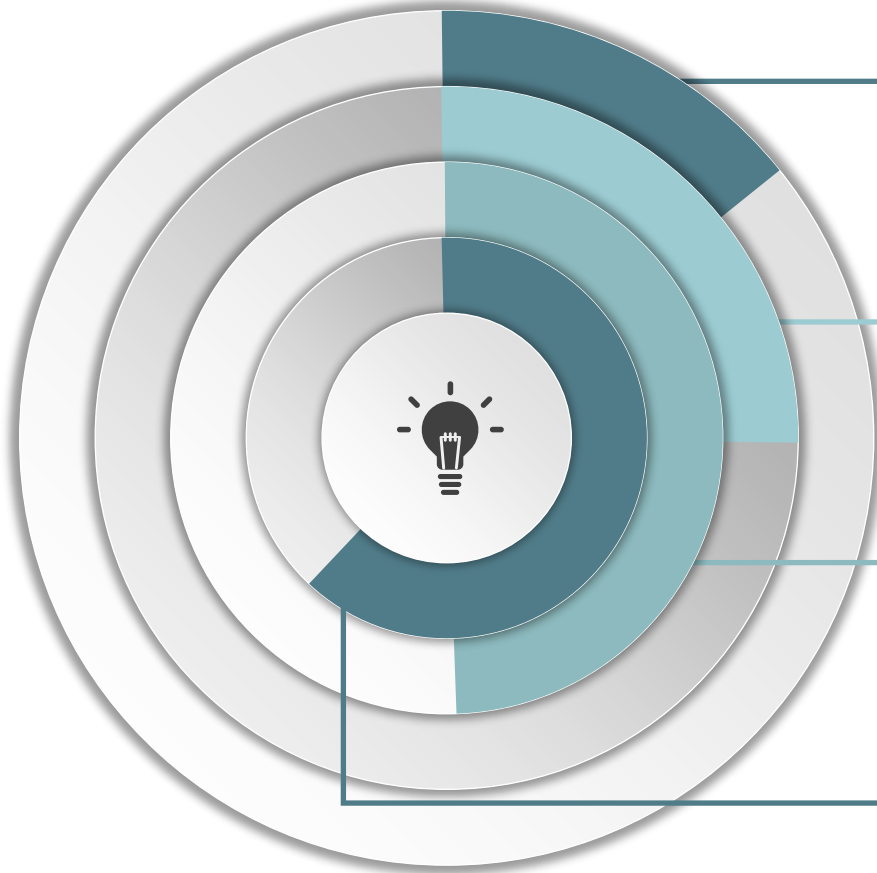
Big Data and Supply Chain Analytics



Smart Logistics and the Warehouse of the Future



E-Commerce is ideally, but not uniquely, suited for Supply Chain 4.0



The expansion of e-commerce, allows additional ways in which new technologies can be implemented. ..



B2C-commerce is that the process of purchasing involves electronic data entry on the part of the consumer. This enables information to be captured, preferences to be assessed, and strategies to target the consumer to be implemented



Although most of the popular discussion of e-commerce is on B2C, nearly 90 percent of e-commerce is in fact business-to-business (B2B) (UNCTAD 2017)



B2B commerce can be implemented either through websites, much like B2C e-commerce, or through electronic data interchange (EDI).

A person in a dark suit is holding a newspaper. The background is a hazy, high-angle view of a city with many skyscrapers. The newspaper is the central focus, with its masthead and main article clearly visible.

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Any Questions?