



If you cannot surprise the customer by the service on board, you have no choice than lowering your tariffs "...



between their willingness to pay [300] and the price [60]). In this context, the blue product has cannibalized the red product. **Too much differentiation can harm the company**



ENTR

Industrial Trade, Strategy - Differentiation

Vertical differentiation

Vertical differentiation occurs when goods on a market can be ranked according to their objective quality from the lowest to the highest. In this case, we can say that that one good is better than another by objective parameters such as size, reliability, performance, durability, technological advance etc.



Industrial Trade, Strategy - Differentiation

Innovation game theory

In a duopolistic situation, the issue an industrial firm deals with is its strategic investment in Research and Development (R & D) to innovate. The challenge is important, since innovation ensures, thanks to the patent, a captive market by a monopoly situation. However, if the competitor company also embarks on a race for innovation, the risk is a net loss for the company, the cost of R§D being sunk.

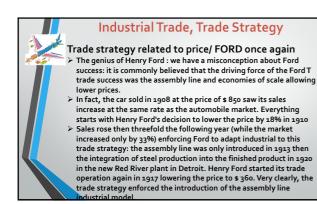
Example: 2 companies A and B in high quality paints for composite material and in a duopoly situation. They can involve resource in RSD with a probability (p) to find a solution.								
<mark>p = 0,25</mark>		ENTREPRISE B						
A		No R§D	R§D					
PRISE	No R§D	(0 ; 0)	(0 ; - 4)					

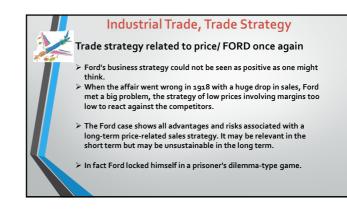
(-4;0)

R§D

(- 4,87 ; - 4,87)

p = 0,5	ENTREPRISE B			
		No R§D	R§D	
Ĕ	No R§D	(0;0)	(0;2)	
	R§D	(2;0)	(- 1,5 ; - 1,5)	
p = 0,75		ENTREPRISE B		
		ENTREPRISE B	R§D	
p = 0,75	No R§D	-	R§D (0 ; 8)	



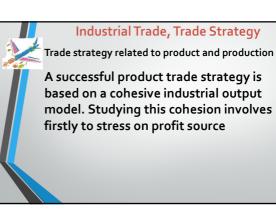




Industrial Trade, Trade Strategy

Trade strategy related to price The prisoner dilemma

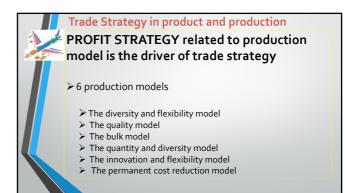
Trade strategy		Company 2	
		High Price	Low Price
01	High price	(10 € ; 10 €)	(1€;15€)
Company 1	Mow Price	(15 € ; 1 €)	(3€;3€)





Trade Strategy in product and production **Profit source**

- 1 The economies of scale. Profit is built on the process of allocating fixed costs to the volume of the product good, which must be as wide as possible in order to reduce the unit cost.
- 2 Diversity of supply. The profit comes from expanding demand to all solvent customers by meeting their own expectations. > 3 - The quality of the product. It allows a higher price or allows to gain
- market shares
- > 4 Commercially relevant innovation. It guarantees for a time a monopoly rent.
- ➢ 5 Productive flexibility. It makes it possible to adjust costs quickly to changes in demand.
- 6 Permanent reduction of costs. It allows to maintain a sufficient margin in all circumstances.



Trade Strategy in product and production

The diversity and flexibility model

- The Company builds its economic model on the diversity of products and along this way on the flexibility of the production process. Sources 2 and 5 of profit are targeted and the success of the company is related to how products fit to different demands. models have few common parts. The markets are heterogeneous altogether, with different type of customers, markets is set up of separate compartments with different requirements and rules. Markets are segmented, variable and unstable.
- The trade strategy is turned to new demands, new customers and is oriented to convince, inform, identify new customers, new segments and then to develop an adapted approach. The products range from wholly different models to simple variations affecting
- The products range from whom y different modes to single contents on the series of equipment. Flexibility is a source of profit if adjusting costs to changes in demand is allowed. Economies of scale are limited by the small size of any line and by limited fixed costs Quality comes after the need to provide a specific and distinctive product. Innovation occurs only when it is necessary to answer even more appropriately customer

The Quality model

Trade Strategy in product and production

- The company builds its economic model on the quality of products and services. The source 3 of profit is targeted. Its success depends on the signal attached to its products
- as "premium" or "luxury" by the industry Quality refers to the reliability, finish, materials used, number and type of equipment, style, perfection or mechanical novelty, after-sales service and symbols of social style, perfe

- The trade strategy is associated with a quality perceived by the client companies as superior to that offered by the competitors. It then increases market share and high prices. The number of models is relatively high, the versions and options are relatively numerous stretching up to the customize of the product. Innovation is an important distinctive social feature, provided it is compatible with reliability, refinement, comfort and respectability, the main distinctive features of the quality. It is therefore not a conceptual innovation dealing with new uses. Productive flexibility is not an imperative

Trade Strategy in product and production

The Bulk model

- The company set its economic model up on the bulk of production and sales. The profit source 1 is targeted: achieving economies of scale by producing a standard model in an increasing quantity. Standardization and integration is the inherent logic of this model. The company that best symbolizes this model is Ford.
- The trade strategy is based on the need to allocate very high fixed costs to the largest
- The trade strategy is based on the need to allocate very high fixed costs to the largest number of similar products for as long as possible. Its success depends on scale economies, with diversity limited to the basic model at every segment. No excess in decoration, equipment and finish. The search for the greatest level of standardization in production makes it in opposition with an innovation or flexibility strategy. The risk associated with lies in the disappearance of the necessary conditions for its success: the Ford experience as mentioned above had been more disappointed than believed, because by getting wealthier, the independent social categories that bought Ford T had turned towards more luxurious vehicles.

Trade Strategy in product and production

The bulk and diversity model

- The company builds its economic model on a mix of economies of scale upon the invisible parts of the product and the variety effect upon the visible parts.
- Sources 1 and 5 profit are targeted. Distinctive products at first sight are created on common platforms. The company that best symbolizes this industrial model is General Motors.
- The trade strategy relies on some kind of production complexity due to the variety of products. Having different products sharing common parts means fast introduction of the major innovations from others rather than taking the risk of innovating. Productive flexibility is required for managing change in demand
- according to different models, versions and options. The quality level is the average one on a competitive market, or slightly higher if the product is in a renewal market.



Trade Strategy in product and production The innovation and flexibility model

- The company builds its economic model on innovative products and a system that promotes creative and imaginative resource (management and human). Sources 4 and 5 profit are targeted. The most representative company is Honda.
- The Trade strategy lies on the creation of new markets or the ability to go fast penetrating existing markets.
- Innovation is a source of profit only if it is commercially relevant and not immediately copied and improved by competitors. Conceptual innovation is as profitable as risky; So it is inseparable from reactive flexibility. One must be able to quickly abandon a product, or if meeting success, quickly rising production up
- Diversity can be important, but quality can be medium, or even below, as the buyer balances the defects by the satisfaction to have a product fitting its need. The Bulk strategy is incompatible as a limit on fixed osts to easily redeploy the assembly line is required.

Trade Strategy in product and production

- The permanent cost reduction model The company builds its business model on the permanent reduction of costs. Product policy therefore doesn't matter, as the economic model focuses on product price, reliability and the level of basic equipment.
 - The profit source 6 is targeted. The most representative company is Toyota.
- The trade strategy is associated with lowering the product price and lowering cost. The search for cost reduction is all-round: substitution of capital to labor, waste time killing, relocation.
- The strategic objective is increasing margins for production at the same level of quantity, diversity and quality. The adjustments are sometimes brutal, in financial, material and human resources. Innovation is not necessary and even avoided in view of the risks involve. Productive planning is preferred to flexibility