

EBU5608 Product Development and Management

Topic 5 – Opportunity Identification

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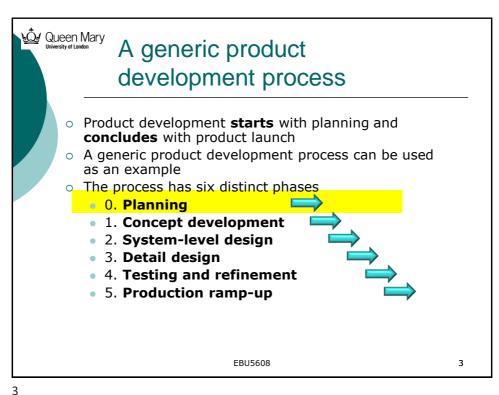
Agenda

- Opportunity, definition and types
- Opportunity identification process
- Role of Research and Development

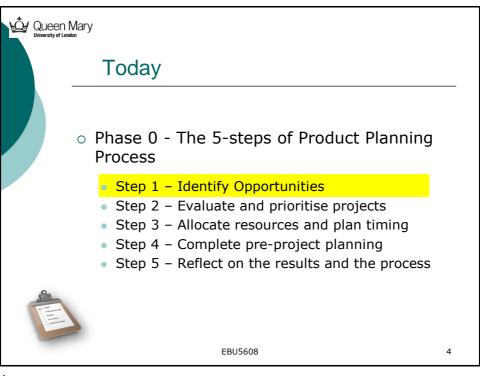


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What is an opportunity?

In the context of product development, an opportunity is

- an **idea** for a new product
- It is a product description in an embryonic form



- a newly sensed need,
- a newly discovered technology,
- a rough match between a need and a possible solution
- It can be thought of as a hypothesis about how value might be created

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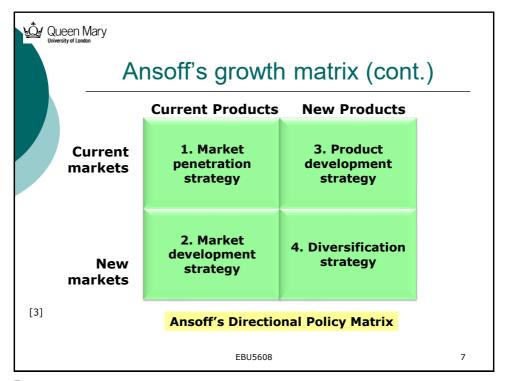


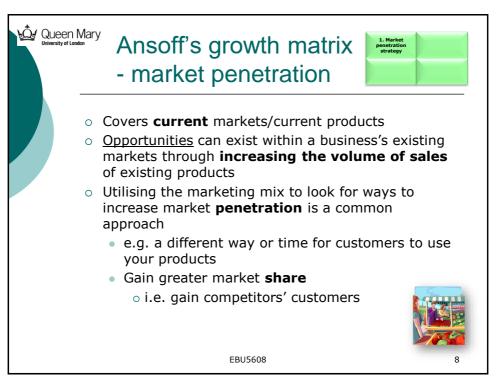
Business growth – Ansoff's growth matrix

- Ansoff's Growth Matrix (see next slide):
 - Ansoff's directional policy matrix is a tool that can be used by organisations to identify the variety of growth options available to them.
 - This is also known as the 'Product-Market' growth matrix because it combines two of the key variables that enable a business to grow
 - o An increase in **market** opportunities
 - An increase in **product** opportunities

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Ansoff's growth matrix - market development



- Covers current products/new markets
- Opportunities are said to exist for a business's products through making them available to **new** markets
 - e.g. using existing products in new geographical markets
 - e.g. selling your existing products to a new age group of customers
- Keeps the security of handling existing products



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Ansoff's growth matrix - product development



- Covers **new** products/**current** markets
- Opportunities, offering new or improved products to existing markets
- Frequently, when a firm creates new products, it can gain **new customers** for these products
- New product development can be a crucial business development strategy for firms to stay competitive
- This is the focus of this module

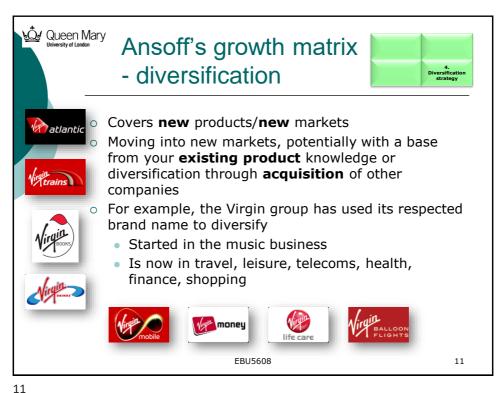




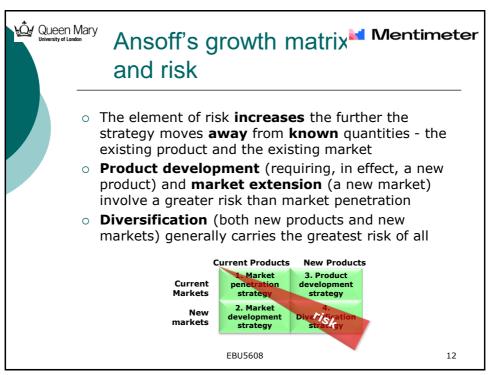
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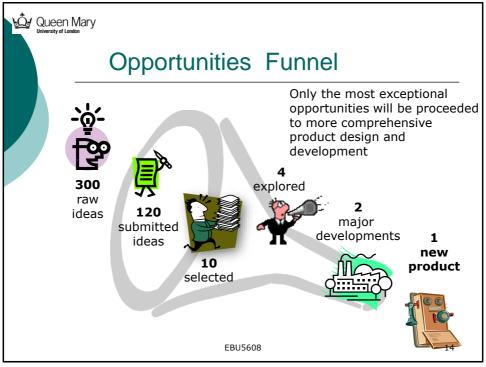
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- 1. Generate a large number of opportunities
- 2. Seek high quality of opportunities generated
- Create high variance in the quality of opportunities

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Opportunity identification process

The Ulrich and Eppinger identify a **six-steps** process for Opportunity Identification as follows:

- Establish a charter
- Generate and sense many opportunities
- Screen opportunities
- Develop promising opportunities
- Select exceptional opportunities
- Reflect on the result and process.

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1. Establish a charter

A charter articulates the goals of the organisation (in relation to NPD) and establishes the boundary conditions for an innovation effort. Charters can be termed as mission statement for a new product.

In the FroliCat example, the charter was:

"Create a physical product in the Cat toy category that we can launch to the market within about an year through our existing retail sales channels"

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Queen Mary 2. Generate & sense many opportunities

Focus has to be both on **internal** and **external sources** of raw opportunities. Some of these are generated:

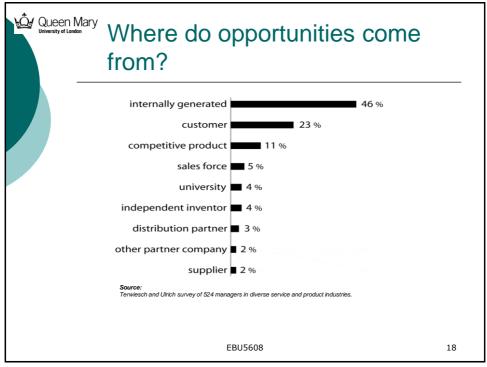
- 1. Internally e.g. **R&D department**
- 2. By the current or potential customer
- 3. Through a competitive product
- 4. By sales forces
- Through collaboration with universities
- 6. By independent inventors
- 7. By distribution partners
- 8. By other partner companies



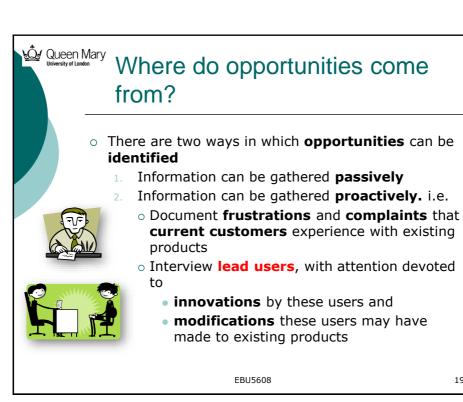
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Where do opportunities come from?

- Track the status of emerging technologies to facilitate transfer of the appropriate technologies from basic research and technology development into product development
- The **opportunity funnel** should be continually collecting ideas
- o Therefore, new product ideas may arise at any time





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Role of R&D

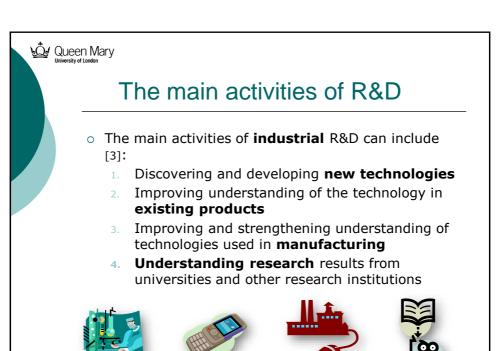
- Definition:
 - "to develop new knowledge and apply scientific or engineering knowledge to connect the knowledge in one field to that in others" (Roussel et al. (1991)) [1]
- Research or Development
 - Research discovery of new knowledge and scientific research
 - Development new product development for commercial gain
- The activities of R&D can be placed along a line of **product tangibility**



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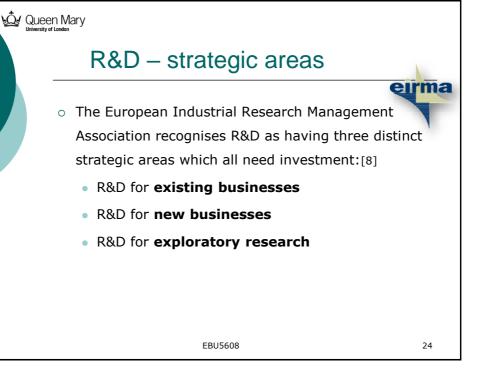
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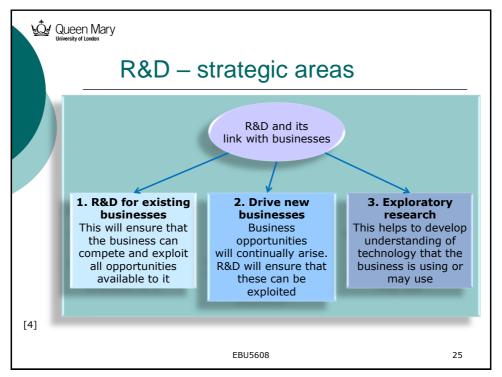


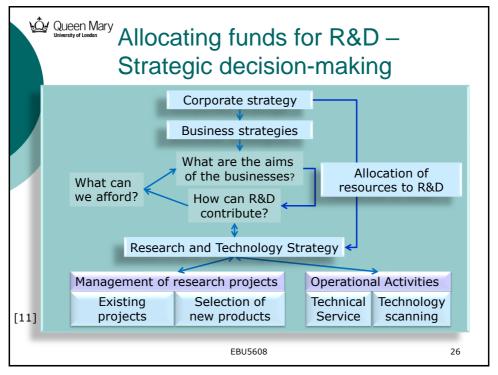
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Allocating funds for R&D – Strategic decision-making

- The first stage is to identify the Corporate Strategy
- Questions at the strategic level should be:
 - What **might** the company do?
 - What can the company do?
 - What should the company do?
- Using the answers to these questions to identify how this corporate strategy can be achieved leads to the development of **business strategies**
- The identification of the **business strategies** takes feeds from the R&D activities, operational activities etc. as well as the corporate strategies

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3. Screen opportunities

- The purpose of screening is
 - to eliminate any opportunities that are unlikely to result in the creation of value,
 - to focus attention on the opportunities worthy of further investigation
 - not to pick the single best opportunity!
- There are two effective approaches to screen opportunities:
 - Web-based surveys
 - Workshops with multi-voting

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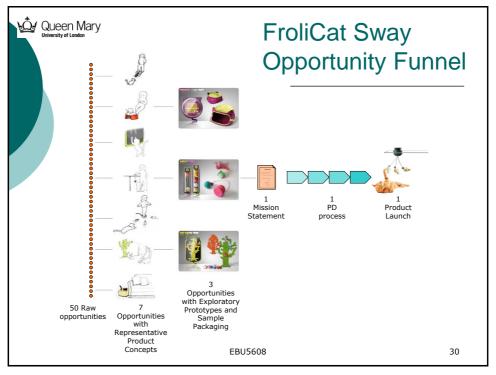
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- At this step the team should invest modest levels
 of resources in developing a few of the screened
 opportunities. More details should be sought for
 these opportunities. These can include:
 - customer interviews,
 - testing of existing products,
 - concept generation,
 - quick prototypes,
 - estimates of market sizes and growth rates.
- The goal here is to resolve the greatest uncertainty surrounding each one at the lowest cost in **time** and **money**.

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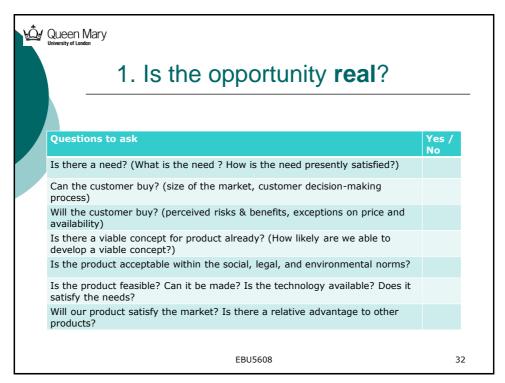


5: Select exceptional opportunities

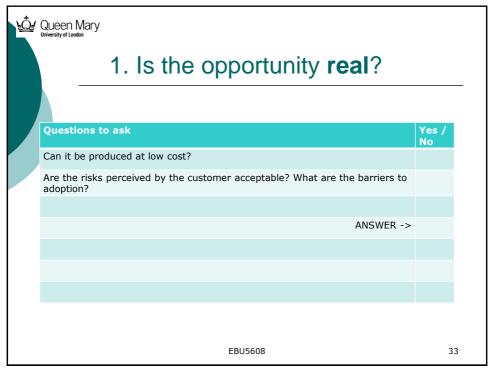
- The aim is to select a few that warrant a significant investment in product development.
- A specific approach used within established companies is called, 'Real-Win-Worth-it', developed originally by 3M. It summarises 3 questions that the organisation should attempt to answer when looking for the exceptional opportunities:
 - Is the opportunity real?
 - Can you win with this opportunity?
 - Is the opportunity worth it financially?

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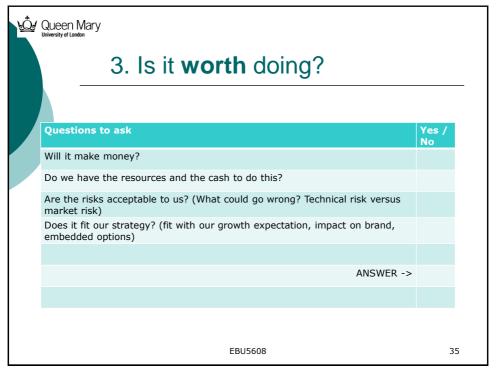


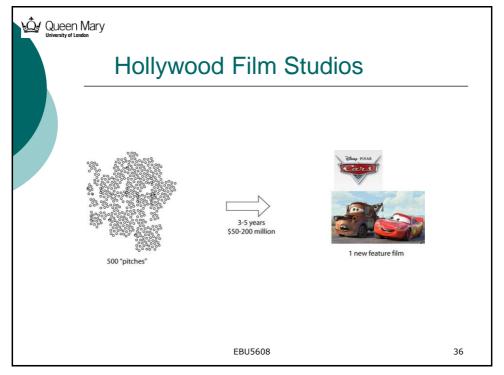
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Gueen Mary 6. Reflect on the results and the process

- The refection can be done by organisations asking themselves the following questions:
 - How many of the opportunities identified came from internal sources versus external sources?
 - Did we consider dozens or hundreds of opportunities?
 - Was the innovation charter too narrowly focused?
 - Were our filtering criteria biased, or largely based on the best possible estimates of eventual product success?
 - Are the resulting opportunities exciting to the team?

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Overview - Four ways to identify more business opportunities

- Listen to your potential clients and past leads
- Listen to your customers
- Look at your competitors
- Look at industry trends and insights

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Summary

- o Opportunity, definition and types
- Opportunity identification process
- Various steps in opportunity identification
- Role of Research and Development



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