

### **Business Game information**

#### **Description of the economic components of the software** Game scenario 2013



- Business Game
- Thesis upload
- Quickstart: Business Game Flow
- Budget
- ROA
- Market description
- Sale forecast
- News!



Welcome to the Business Game!

- Inside this platform you will be able to manage your virtual company.
- You will be also able to upload your reports of the game
  > REL 1 Initial analysis and definition of business strategy
  > REL 2 Final Analysis



- You will upload you thesis using the Business Game software, in the Thesis platform upload. It *will be available from 18/03/2013*
- In order to save the 2° decision of the Business Game you have to upload the thesis.
- When you will click on the SAVE button during the 2° period, you will not be able to upload the first part of the thesis anymore.





- When you insert the data the system will not save your decisions!
- You can save your decisions only once in a period. When you have clicked on save, the system will not accept any change in the decisions
- After you've entered the decisions you will be able to click on:
  - ► BUDGET: in order to see the forecast results. at the cost of 200.000€ for each budget
  - Continue without generating the budget: as many times as you want, always free.



We suggest to fill the sales forecast decision with the For the 1° value obtained by dividing demand forecast (you can find quarter it in the market analysis page) by the total number of competitors. You generate your budget clicking on the BUDGET button: all the budget data are based on your sales forecast and your decisions **BUDGET** when you close the web page the system doesn't store your decisions you can save only once in a period (clicking on save at the end of the page) When all the companies save their decisions, the system Next will simulate. So the next quarter data will be available. quarter



**Return on Asset** is an accounting ratio used in finance, valuation, and accounting.

Inside the Business game it is evaluated with this formula:

ROA = EBIT Capital Employed

Capital Employed has many definitions. In general it is the capital investment necessary for a business to function. It is commonly represented as total assets less current liabilities. In the Business Game is the total asset minus *Cash on hand*, minus *account payable*.





#### Business-to-Business (B2B)

the customer will compare all the competitors decisions about the price, the product and the service offered

The total offer is composed of all the companies products

Note : the number of companies and products are defined at the beginning of the game and cannot be changed

# The Price Quality Ratio (PQR)

- It represents the synthesis of the customers' opinion about the company's products.
- It sets the Market Share (MS) of the company, therefore the sales are proportional to the PQR.
- The PQR is the sum of the three external performances:
  - The product offer
  - The service offer
  - The price of sale





## **Qualitative analysis**



amplitude of the angle) of the customer needs











### Decisions – Performance Matrix (1/2)

Decisions	Internal Performance			<b>External Performance</b>	
	Quality	Time	Flexibility	Product	Service
Lot sizing		+			+
Co-design	+			+	
Supplier numerousness	+			+	
Suppliers lot sizing		+			+
Stock capacity			+		+
technology				+	
Overtime			+		+
Demand management strategy		+	0		
Design				+	
Accounts receivable period					+
Specialization	+		0	+	0

- + Direct Impact
- o Indirect Impact





### Decisions – Performance Matrix (2/2)

Decisions	Inte	Internal Performance			External Performance	
	Quality	Time	Flexibility	Product	Service	
Suppliers localization		+			+	
Product width					+	
Production capacity			+		+	
Advertising				+		
Post-sale					+	
Outsourcing			+		+	
Product depth				+		
Transportation					+	
Suppliers Dependability		+			+	
Trade Promotion				+		
Accounts payable period			0		0	
Distribution channel			0		0	

- + Direct Impact
- o Indirect Impact



### **Sales Forecast**

How to approach the game



It's the fundamental decision for managing the production volumes:

"This decision is useful to balance the product lines of the two goods"

It splits the production capacity between the two products.

More details...

# **Example: sales forecasting**

- Production capacity = 300 pieces (pcs)
- Sales forecast (washing machines) = 100 pcs
- Sales forecast (tumble dryers) = 50 pcs

The production will be balanced by the ratio: Washing machines / Tumble dryers = 100 / 50

Washing machines produced = 200 pcs

Tumble dryers produced = 100 pcs





If the forecast is lower than the stocks, that product will not be produced:

Washing machines stocks100 pcsSales forecast washing machines80 pcs

Total production





The sales forecast is useful to obtain the same reliable forecast results:

After the "data input" page, the forecast results are available (obtained with hypothetical forecast sales revenue).





- Check it often!
- At any period there may be information within 5 days before the deadline. Read the news before saving!





### **ASK ON FACEBOOK!**



http://www.facebook.com/groups/220262461738/



# University Management Competition

Cosa accade a chi vince...





#### http://www.umc2.it

### La competizione Italiana di **Business Game** che coinvolge gli studenti delle principali università italiane all'interno dei loro corsi di laurea.



2013

### Qualificazione Politecnico di Milano





University Management Competition è una competizione italiana di Business Game che coinvolge gli studenti delle principali università italiane all'interno dei loro corsi di laurea.

I dati dell'ultima edizione:

- 16 facoltà italiane coinvolte
- oltre 2.000 studenti coinvolti (5000 studenti coinvolti negli ultimi 2 anni)
- 4 facoltà utilizzano il Business Game come tesi triennale
- 250 studenti coinvolti nelle semifinali online
- 11 squadre finaliste provenienti da tutta Italia

3° edizione della finale nazionale all'interno del Job Meeting a Milano



# Utilizzo dei Business Game all'interno

#### All'interno di un corso:

- Roma Tor Vergata (Ingegneria)
- Milano Cattolica (Economia)
- Milano Bicocca (Economia)
- Cremona Cattolica (Economia)
- Piacenza Cattolica (Economia)
- Brescia (Ingegneria)
- Modena e Reggio Emilia (Ingegneria)
- Salerno (Ingegneria)
- Pescara (Economia)
- Firenze (Ingegneria)
- Napoli II Università (Economia)
- Catania (Economia)
- Messina (Economia)
- Università degli studi di Cassino (Ingegneria)

#### Crediti riconosciuti

- Roma La Sapienza\* (3 CFU -Ingegneria)
- Milano Politecnico\* (3 CFU -Ingegneria)
- Bologna Ingegneria\* (6 CFU -Ingegneria)
- Università di Padova\* Sede Vicenza (3 CFU - Ingegneria)
- Udine Ingegneria (3 CFU Ingegneria)

\*In questo caso i crediti formativi comprendono l'utilizzo del Business Game, la stesura della tesi triennale e la sua discussione davanti alla commissione di laurea.





**VOI SIETE QUI** 

- Gli studenti dei corsi di Economia e Ingegneria Gestionale si registrano nel sito <u>www.umc2.it</u> e formano le squadre con i loro compagni di corso.
- Partecipano ad un torneo all'interno del loro corso.
- Il docente premia i vincitori
- Le squadre migliori classificate di ogni università sfidano i rappresentanti degli altri atenei durante le semifinali online
- Le migliori squadre semifinaliste partecipano alla finale che si svolge durante l'evento **Job Meeting** a Milano nel corso di una intera giornata
- I finalisti si affrontano con una versione più complessa del gioco a cui hanno partecipato durante le qualificazioni e le semifinali