# **Business Engineering**

#### **Operations Management**

"from data-rich to decision-smart"

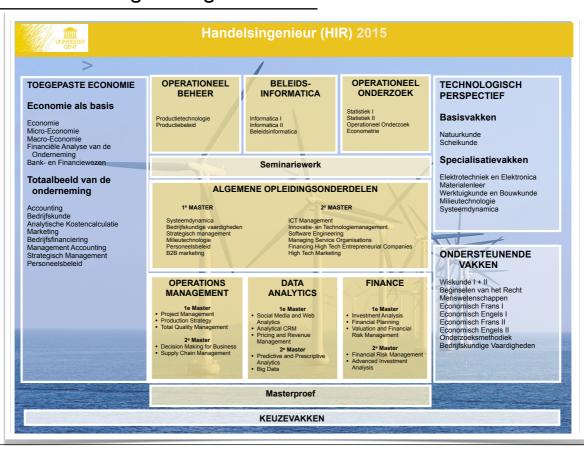




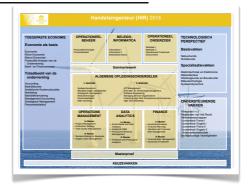




#### What is ... Business Engineering?



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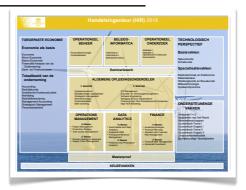


#### **Bachelor programma HIR**

- Geen afstudeerrichtingen
- Ondersteunende vakken (wiskunde, fysica, chemie, ...)
- Introductie tot de studie van de waardenketen

**Supply chain management** is the process of planning, implementing and controlling the operations of the supply chain with the purpose to satisfy customer requirements as efficiently as possible.

#### What is ... Business Engineering?

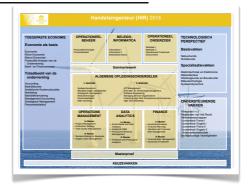


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Productiebeheer	Productieproces van goederen én diensten
Operationeel onderzoek	Modelmatige aanpak van beslissingsproblemen
Beleidsinformatica	Informatieproces (als ondersteuning van het productieproces)

#### What is ... Business Engineering?

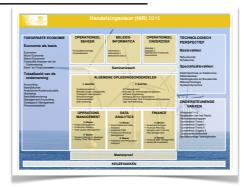


#### Master programma HIR

- Drie afstudeerrichtingen:
  - Operations Management
  - Data Analytics
  - Finance
  - ! 5 vakken en twee keuzevakken!
- Twee keuzevakken of stage (als vervanging van één keuzevak)
- Masterproef (2 jaar hard werken én pure fun, met 2 evaluaties)



#### What is ... Business Engineering?



#### Master programma HIR

- Drie afstudeerrichtingen:
  - Operations Management (also known as supply chain management, logistics, decision making for business, ...)
  - Data Analytics
  - Finance
  - ! 5 vakken en twee keuzevakken !
- Twee keuzevakken of stage (als vervanging van één keuzevak)
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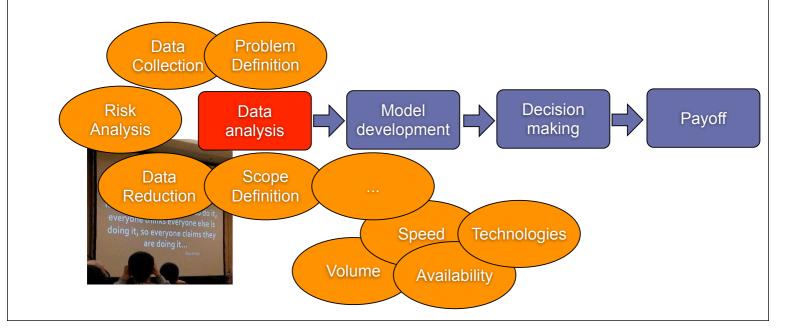
What is Operations Management?

### What is ... Operations Management?

It isn't big data but big algorithms that is going to change the world.

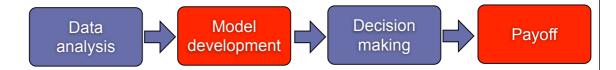
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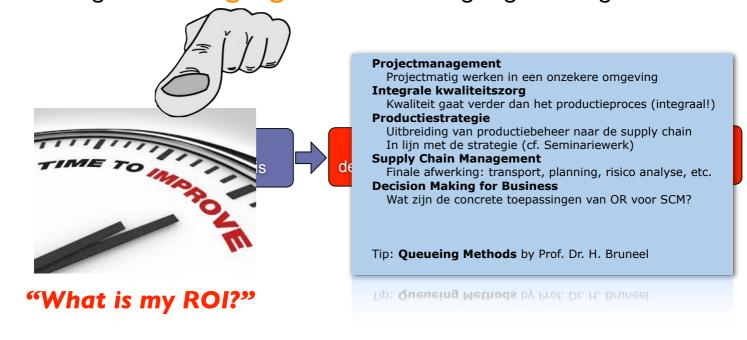
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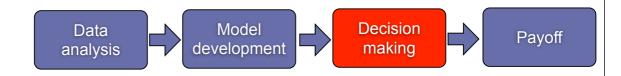


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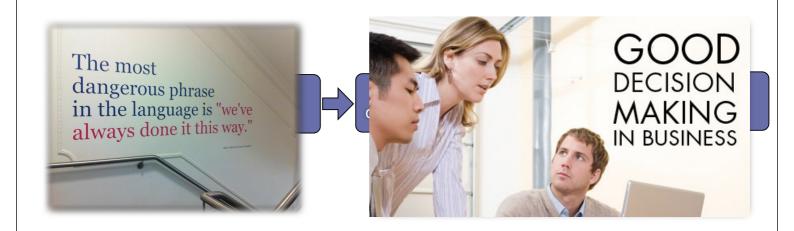
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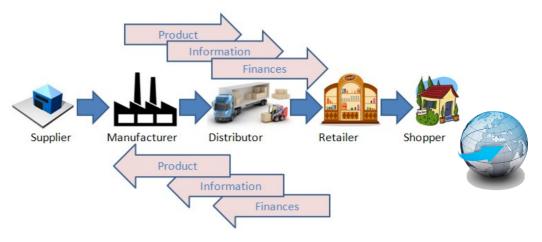




Why Operations Management?

#### Why ... Operations Management?

### The global economy is bringing change to the way we work



Analyze	Big data
Improve	Big algorithms
Make decisions	Change the world (what is my ROI?)

#### Your future Operations Management! Logistics PORT OF KUEHNE+NAGEL GHENT Tabak ZIEGLER EXPO LOGISTICS **DB** SCHENKER **INATIE** EUROSTAR" **?}∙**UTi PANALPINA TO noordnatie ESSENAT/E D'leteren DP WORLD Antwerp TNT ZUIDNATIE **\_\_intraco** consulting H.ESSERS WW Ś B CARGO Yusen Logistics **(10)** NIPPON EXPRESS swissport 🏈 B HAMANN INTERNATIONAL LOGISTICS Thomas Cook RANSGEM **ICO** PENSKE **U** Jetair ISS TRANSPORT & MOBILITY LEUVEN CAT DOCKXE *sode*xo

#### Your future Operations Management!

































































































#### Your future Operations Management!













forcea









FLUOR









Kerteza





**UIBS** 







AZTALAN









STAGE COMPANY











Santerra







**W**CW CONSULTING















### Your future Operations Management! Google acer explore beyond la D€ CLECCQ









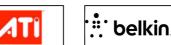




Partezis



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UPOCKET



























































### Your future Operations Management!

















































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**STRABAG** 



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**Jostoen** 

## Your future Operations Management! 1





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### Your future Operations Management!





























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GDF SVCZ



**G**GAZPROM













**LANXESS** 



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CREG





ABB Power and production for a better world

















#### Your future Operations Management!































































































#### Your future Operations Management!



































**ZARA** 



**Nestlé** 





BAKKER!



IKEA











**IJSBOERIÇE** 







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## Your future Operations Management! Beaulieu International Group Deslee Clama **ArcelorMittal**































































































### Your future Operations Management!



































4.1

Endress + Hauser







**FUJ!FILM** 













Lyreco









Seagate C



BRAUN





**SYRAL** 



**Smurfit** Kappa

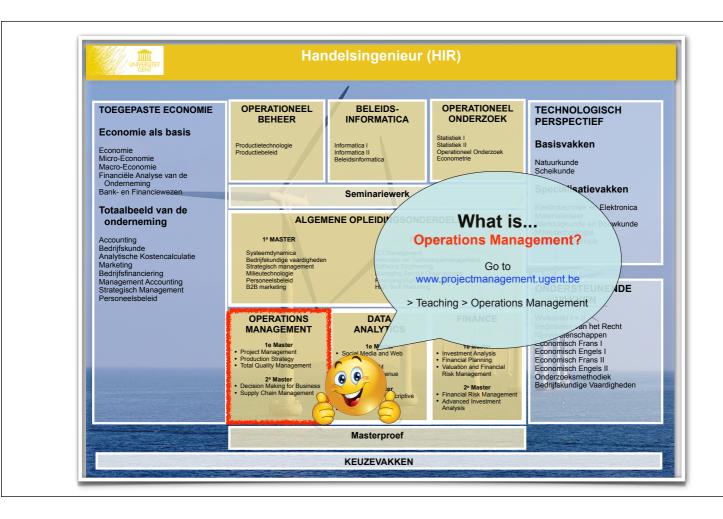


Whirlpool

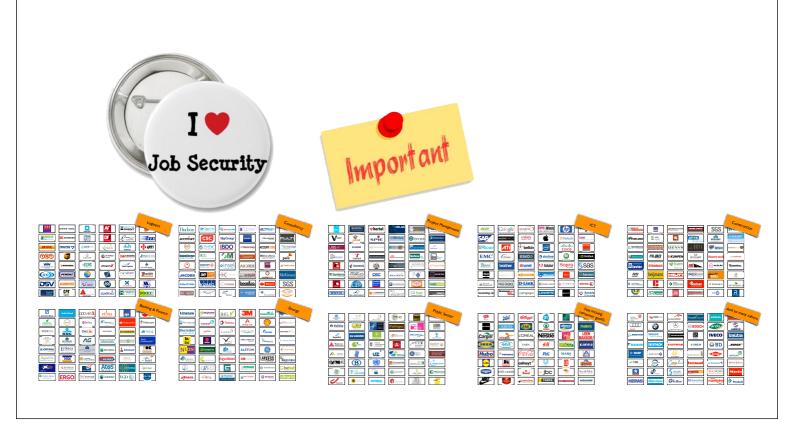


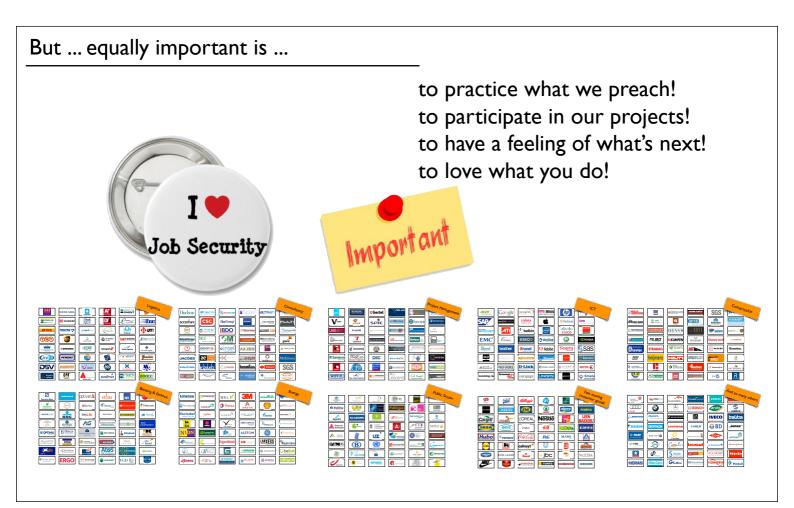






#### Extremely important ...





But ... equally important is ...

#### to practice what we preach!













But ... equally important is ...

to participate in our projects!















But ... equally important is ...

to have a feeling of what's next!

cf. 3<sup>rd</sup> Bachelor



cf. 2<sup>nd</sup> Master



...small data...

...simple algorithms... ...change your financial situation.

But ... equally important is ...

to have a feeling of what's next!

cf. 3<sup>rd</sup> Bachelor



operations management

cf. 2<sup>nd</sup> Master



It isn't big data but big algorithms that is going to change the world.

But ... equally important is ...

to love what you do!

"To succeed you have to believe in something with such a passion that it becomes a reality."

Dame Anita Roddick

cf. 1st Master









#### www.projectmanagement.ugent.be

> Teaching > Operations Management