

Double Degree in Management and Design

Management Engineering and Product-Service System Design

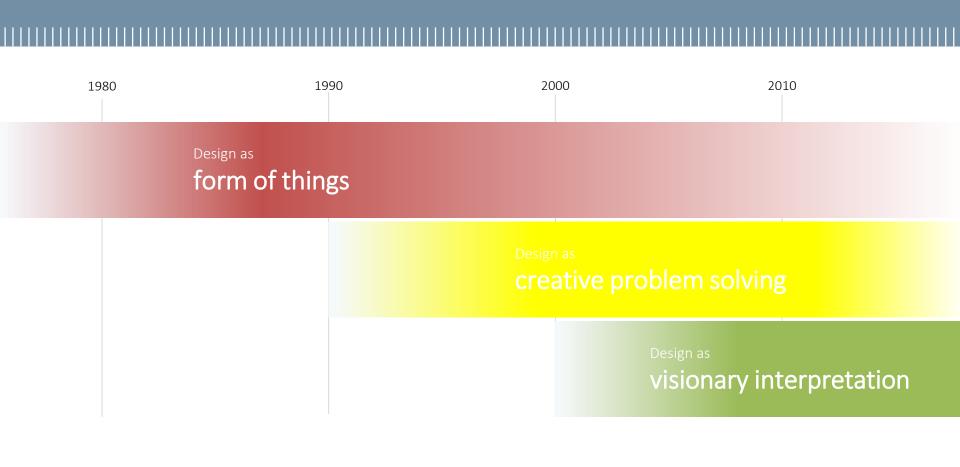
Claudio Dell'Era (claudio.dellera@polimi.it) and Silvia Magnanini

21st November 2018

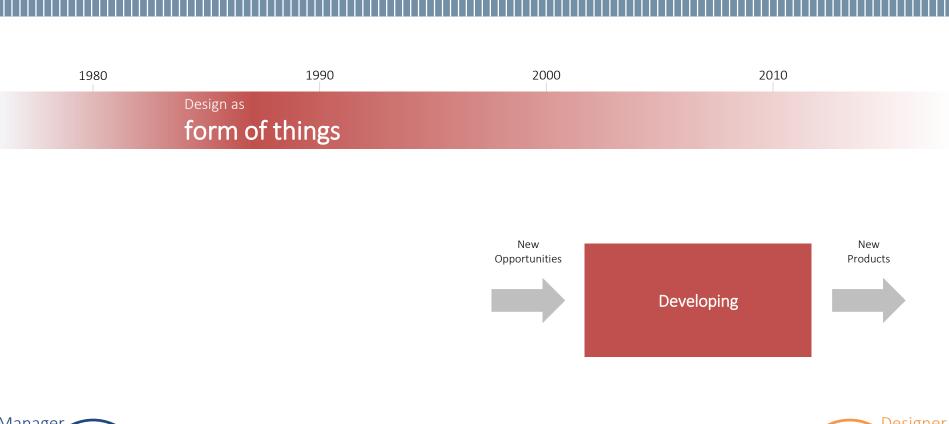
Design Management field



History of the «Design Management» field



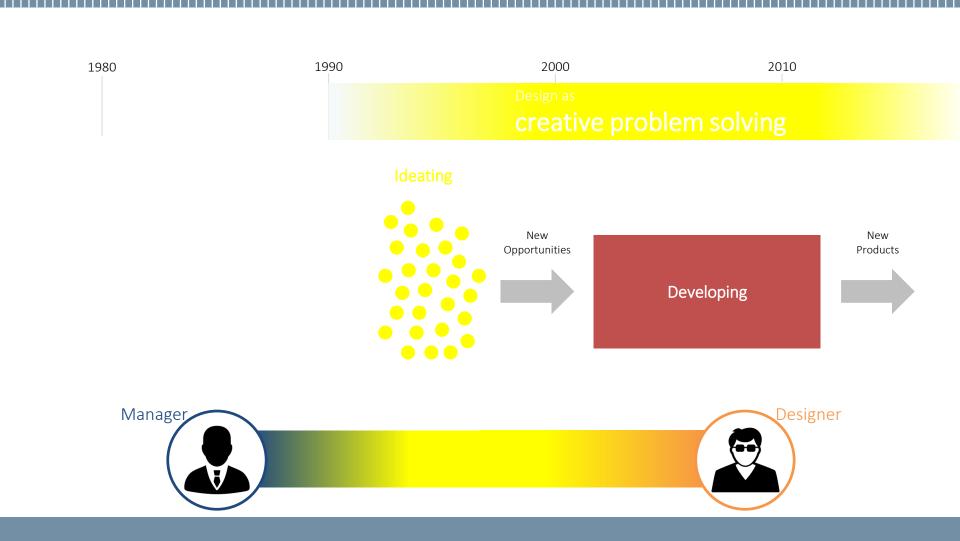
Analyzing the «Design Management» field: 1980s and 1990s ...



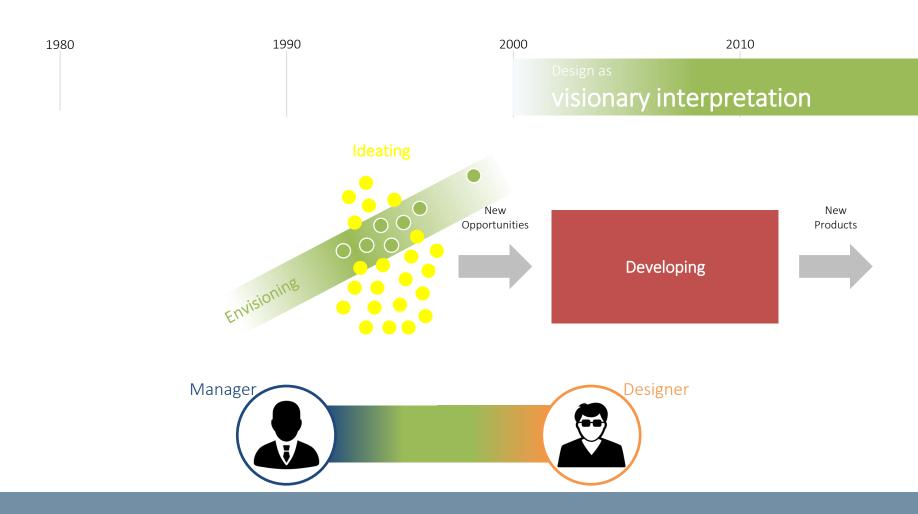




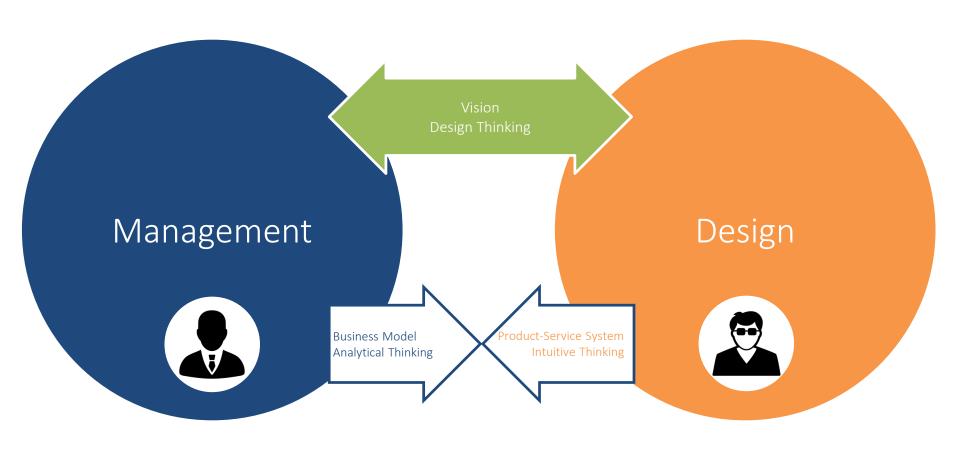
Analyzing the «Design Management» field: 1990s and 2000s ...



Analyzing the «Design Management» field: 2000s and 2010s ...



Management and Design



Vision



"We live in a **world awash with ideas**. Thanks to open innovation, crowdsourcing, and especially to digital technologies, we have easy access to an unprecedented amount of novel opportunities.

How to make sense of this overabundance of opportunities? How to **envision the next big thing**? How to avoid trying everything and fall into the paradox of ideas (the more ideas we create the less we innovate)?

To succeed in an overcrowded world **we need a meaningful direction**. To focus our creativity and the creativity of others towards a new, shared purpose."

Roberto Verganti – Politecnico di Milano

Design Thinking



"Design thinking is a **human-centered approach** to innovation that draws from the designer's toolkit to integrate the needs of people, the possibilities of technology, and the requirements for business success."

Tim Brown – IDEO

"The way I think about design thinking is it is in a halfway house between **analytical thinking**, for the purely deductive and inductive logical thinking that utilizes quantitative methodologies to come to conclusions, and **intuitive thinking**, knowing without reasoning. And design thinking is the kind of thinking that takes the best of both sides. So what it takes is invention of the future from the intuitive thinking and the willingness to use what I call abductive logic – inference of the best explanation. As well as some aspects of the power of inductive and deductive logic from analytical thinking to produce something that is creative but replicable"



Roger Martin – Rotman School of Management at the University of Toronto

The «explosion» of Design Thinking: Press

Harvard Business Review



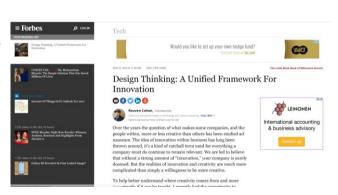
Wired



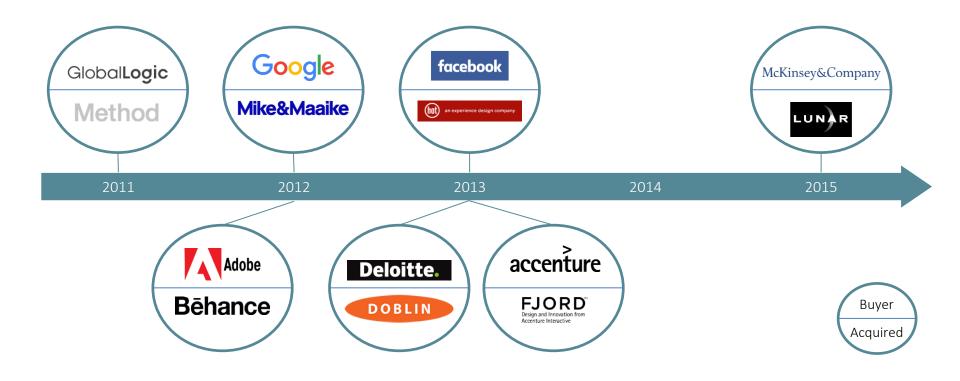
Fast Company



Forbes



The «explosion» of Design Thinking: Acquisitions



The «explosion» of Design Thinking: Diffusing adoption (in Italy)



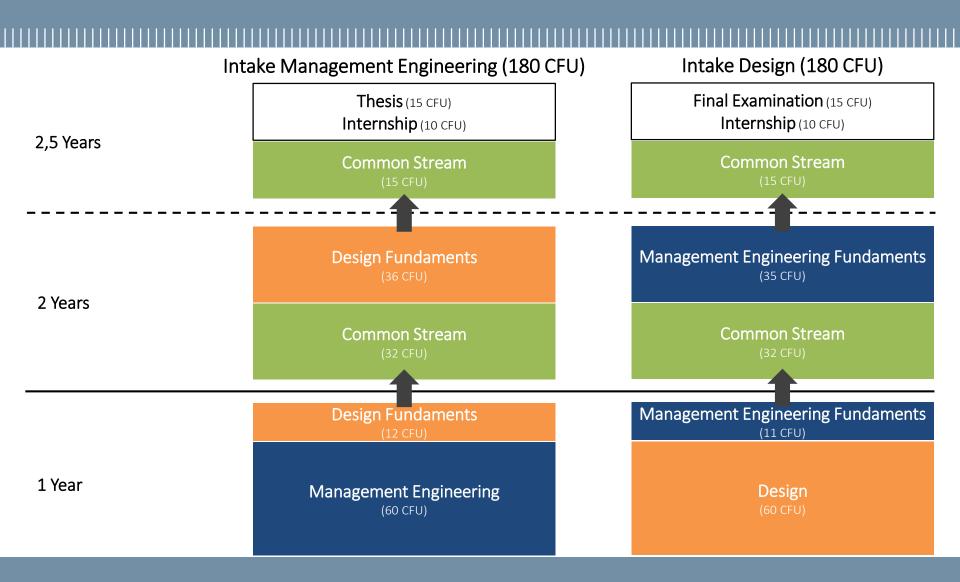




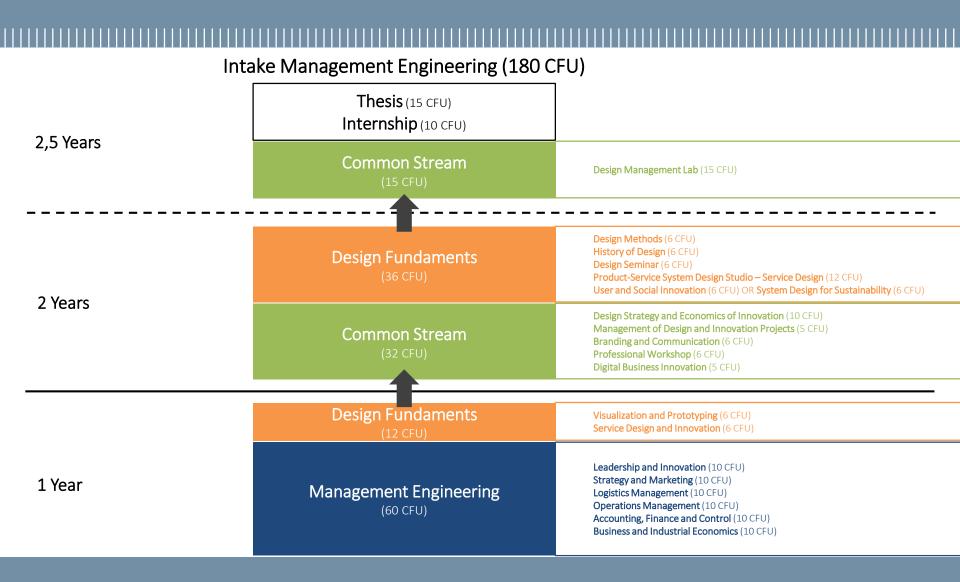




X-shape design



Intake Management Engineering



Alumni from the second edition

Silvia Magnanini

Bachelor in Product Design

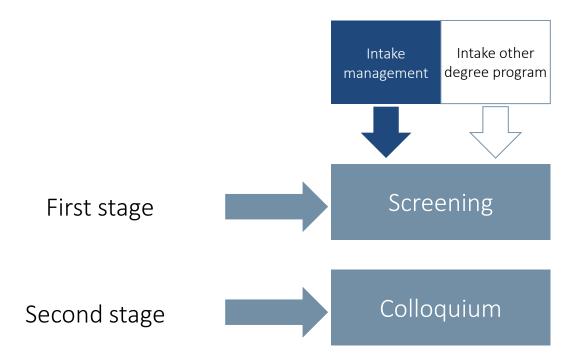
1st Edition



I always wanted to understand how to merge creativity and exploration with feasibility and execution. I really think that the power of innovation lies in the synergic work between these two dimentions. Therefore the Double Degree program seemed to me the best opportunity to strengthen both dimentions.

Internal Double Degree: Selection process

- Evaluation based on a two stage process: Screening and Colloquium
- Only students that pass the Screening stage will access to the Colloquium



Internal Double Degree: Selection Process – Screening

Screening, based on:

- A motivation letter, explaining why the candidate is willing to attend the Double Degree Program and how she/he may contribute to the community of the Program
- Final mark in the Bachelor Degree
- Curriculum Studiorum in the Bachelor Degree (self-declaration of transcripts with mark and finale degree grade and abstract of the thesis (not more than 5 standard word pages) and a self declaration of transcripts of the first semester of the MSc study course
- Curriculum Vitae indicating other competencies developed (beside the Curriculum Studiorum) and how they were developed. Competencies may include: core competencies in the field (e.g. project portfolios), competencies developed in the second degree field (e.g. working experiences), tools and methodological experiences, hobbies etc.

Internal Double Degree: Selection Process – Colloquium

Joint Colloquium, aimed to evaluate:

- The coherence of the expectations and the motivations of the candidate with the objective of the double degree program
- The coherence of the specific competencies acquired by the candidate in the bachelor level and through extra-curricular experiences with the objective of the double degree program
- The candidate's **attitude towards the disciplines** of the double degree program (which could be assessed through interview questions or a case study)

How to submit

- The application procedure is available at the following link:
 - http://www.ingindinf.polimi.it/en/didactics/internal-double-degree-projects/
- The application should be sent (only from the institutional e-mail XXXXXX@mail.polimi.it) by e-mail to: management-engineering@polimi.it
- The e-mail subject should be: Application for internal double degree in Management Engineering + Product-Service System Design (Please specify the double degree you are applying to)
- The following information should be provided in the attached documents:
 - Motivation letter
 - Final mark in the Bachelor Degree
 - Curriculum Studiorum in the Bachelor Degree (including exams transcripts and abstract of the thesis)
 - Curriculum Vitae with clear indication of other competencies developed (beside the curriculum studiorum) and how they were developed, professional experiences, and hobbies