

European Union Energy Day

Clean energy solutions for the buildings of the future

Astana EXPO, 24 July 2017









Founder: CONSTRUCTION 33 ye

Target in Life: Bring solutions of Third Industrial Revolution

Inspiration

Real founder:

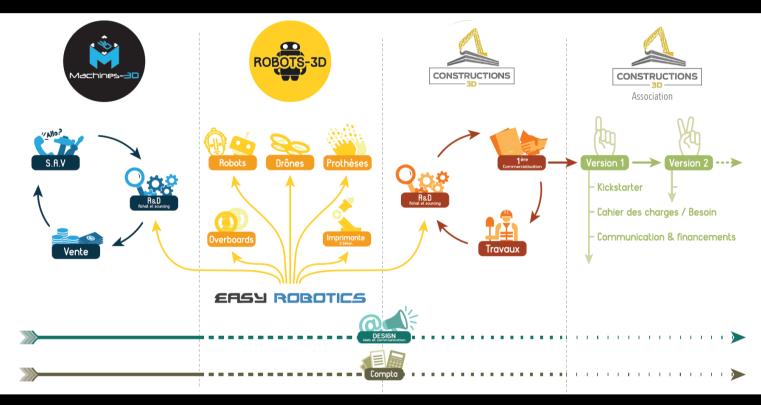


Target in Life: Be happy and share Happiness!





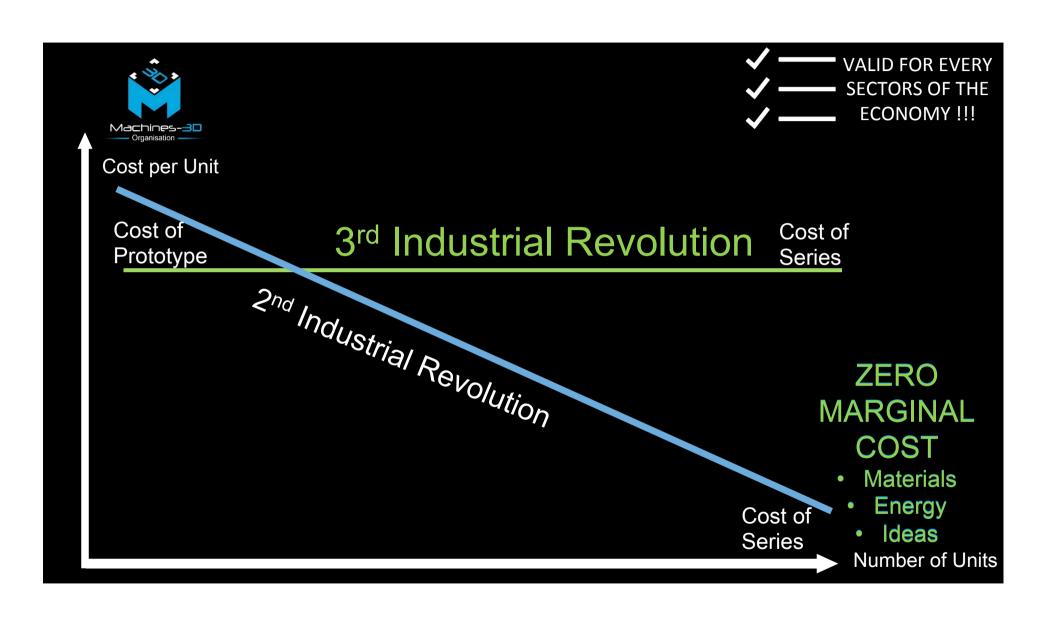
Merging Silos

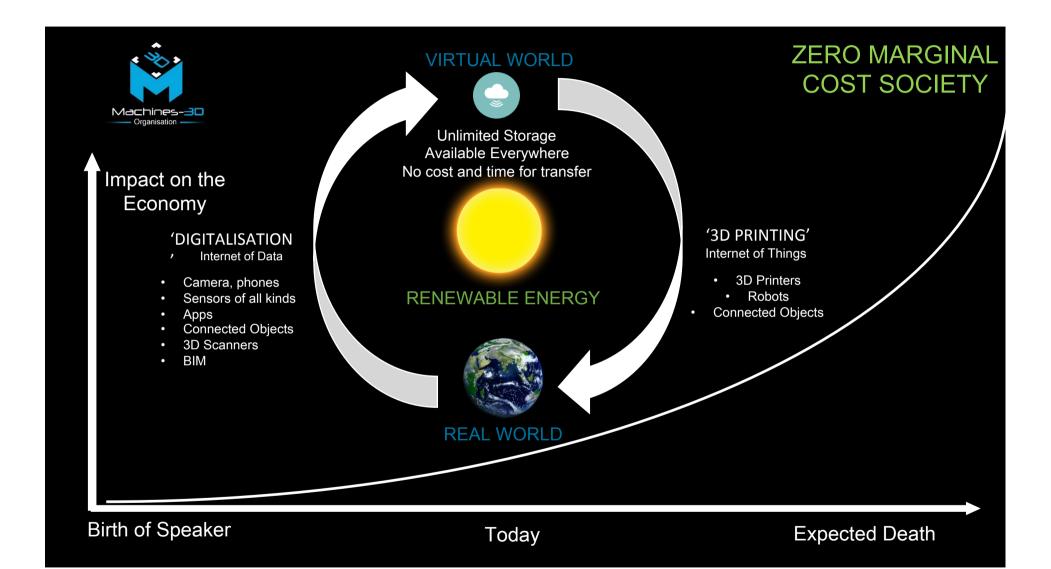


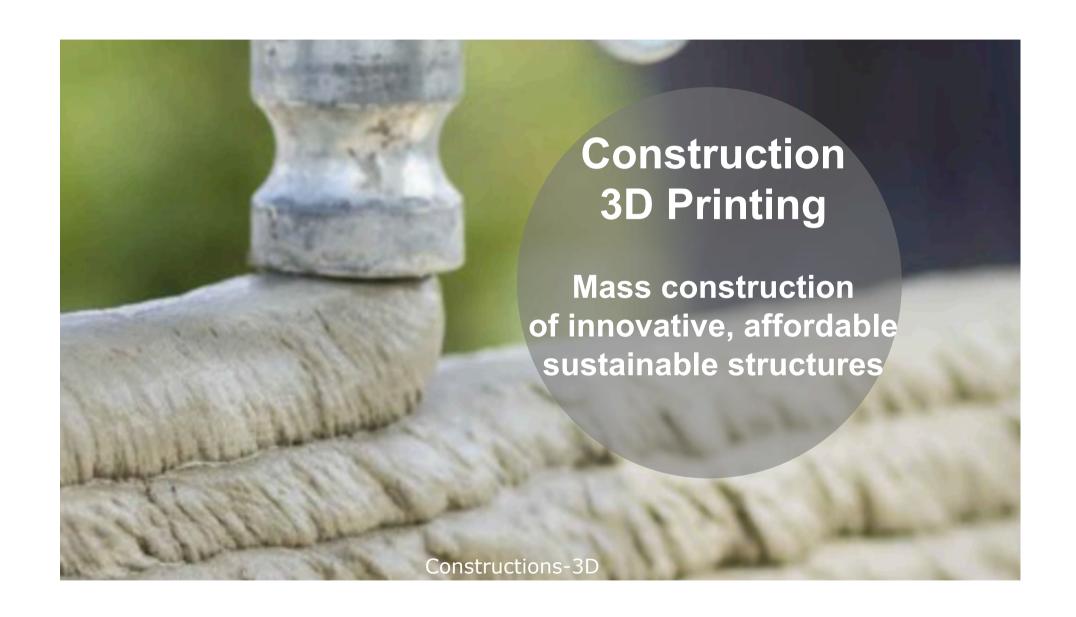


Going to

THE | Cost society | Cost | C







3D Printing has revolutionized all forms of manufacturing



Ease of Customization



Increased Production Speed



http://www.javelin-tech.com/3d-printer/applications/manufacturing-end-use-parts/

Topological Optimization



http://www.3dnatives.com/optimisation-topologique-3d-07032016/



Why in Construction?

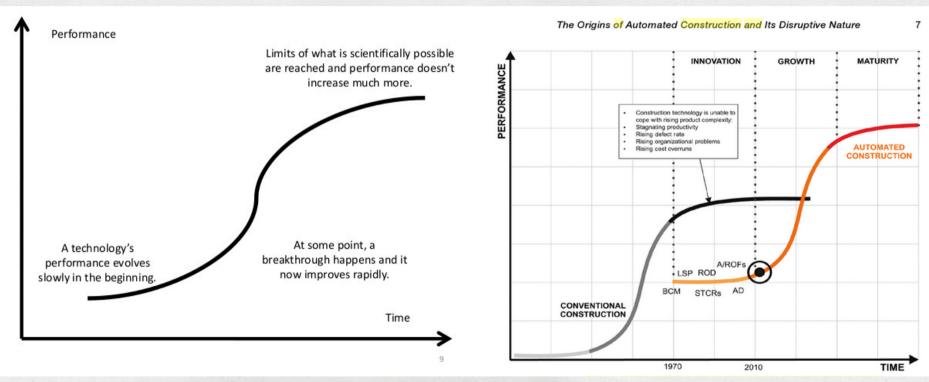
It is even an ideal target ...

- Centuries-old processes with archaic modes of management that is unable to see the iceberg
- Difficulty to serialize in the model of the Second Industrial Revolution
- An old economic and environmental model concentrating 1/3 of the energy consumption on the planet with a need for change
- A lack of knowledge of digitalization by the conventional actors
- Demands for new solutions of massive construction coming from exponential population growth and migrations / climate change



Why in Construction?

It is even an ideal target ...

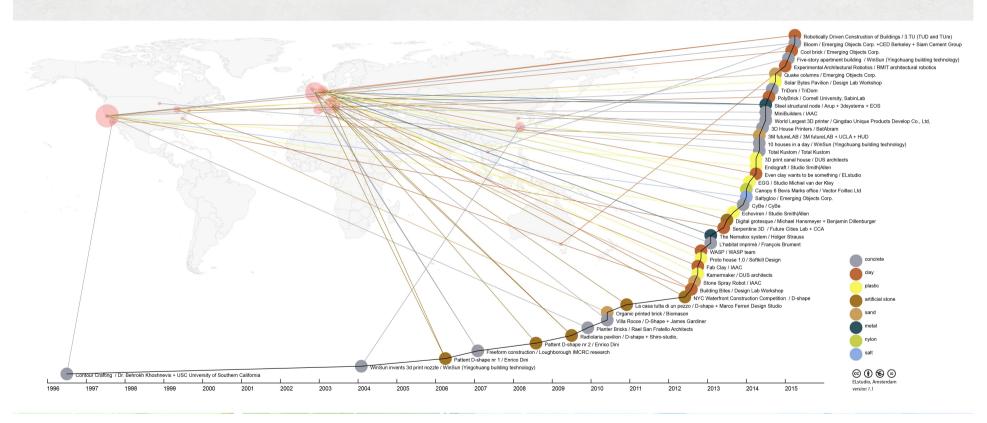


Source Thomas BOCK: Robot-Oriented Design: Design and Management Tools for the Deployment of Automation and Robotics in



Why in Construction?

List of 3D Construction Projects and localisation











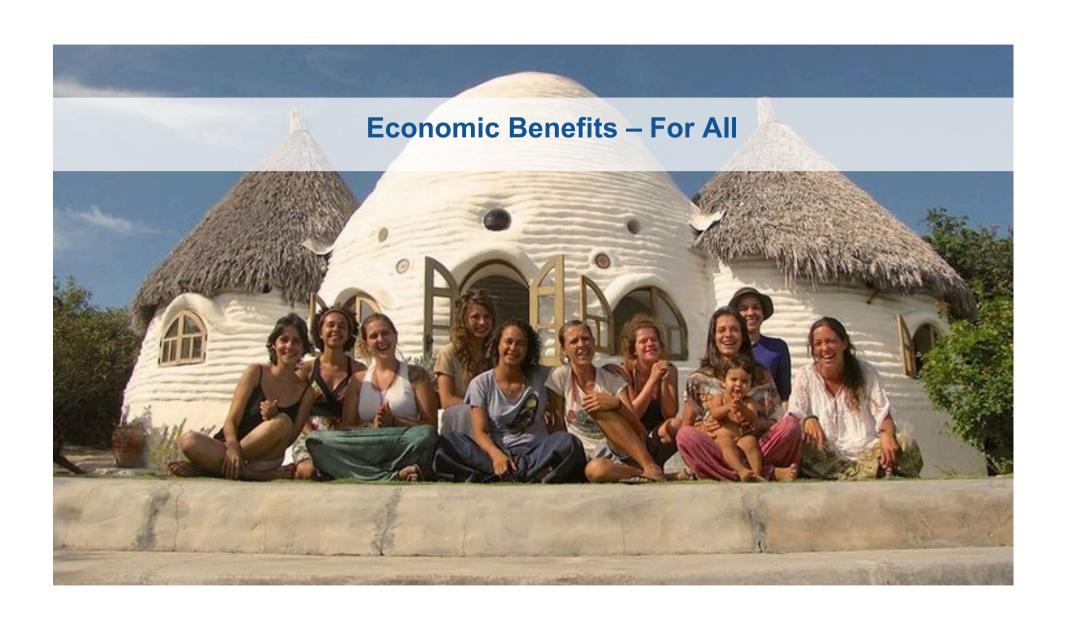


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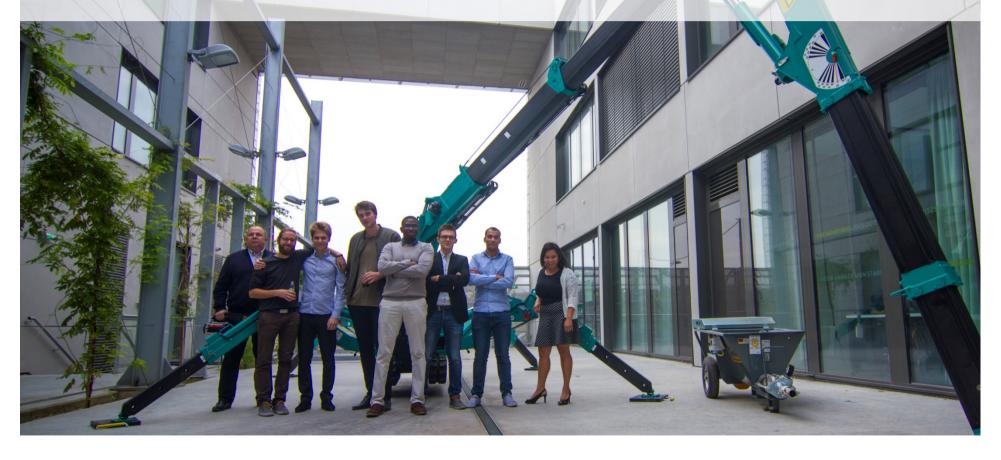
#EUenergyday













Constructions-3D has the following set of objectives:



TOPOLOGICAL OPTIMISATION

(Material needs reduced up to 50%, better insulation...)



ARCHITECTURAL REVOLUTION

(Overcome the constraints of the current tools in the construction industry...)



COST EFFICIENCY AND ACCESSIBILITY TO MANY

(cost divided by 10...)



TIME GAINED

(Printing in situ, 24h=1 house...)



Reduced Ecological Impact

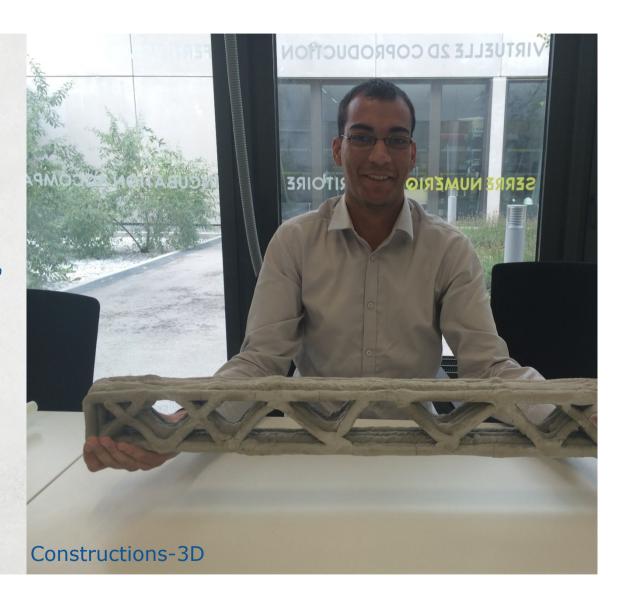
(Reduced carbon footprint, less transports, local material when possible...)





TOPOLOGICAL OPTIMISATION

(Material needs reduced up to 50%, better insulation...)







www.constructions-3d.com



GAINED
(Printing in situ, 24h=1 house...)

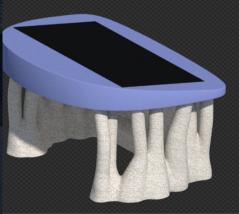






ARCHITECTURAL REVOLUTION

(Overcome the constraints of the current tools in the construction industry...)









Imprimante 3D à Béton

395000.00€ HT

Ce produit sera en stock le 01/12/2017.

Précommande livraison Fin 2017 Container + Imprimante + Pompe Diamètre d'impression 18.8m

DÉTAILS

ACHETER



COST EFFICIENCY AND ACCESSIBILITY TO MANY

(Single storey of 70m2 < 5000€, cost divided by 10…)









Nader KHALILI - Sandbag Shelter - CALEARTH





Reduced Ecological Impact

(Reduced carbon footprint, less transports, local material when possible...)



WINSUN - China



Parallel Projects...



APIS COR - Russia





CONTOUR CRAFTING - USA







FFB – 24H du bâtiment 06 Octobre 2017 PARIS

Future Events

MACHINARIUM 2 – Official Presentation 27 and 28 Octobre 2017 VALENCIENNES







Waiting for your question in the Open Forum or by e-mail info@constructions-3d.com



EUenergyday.eu

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