



ADMIRAVEL MUNDO NOVO

ECONOMIA 2.0

Junho 2015

HUMAN CENTERED

Product Customization
Smart & Supported Processes

GLOBAL & NETWORKED

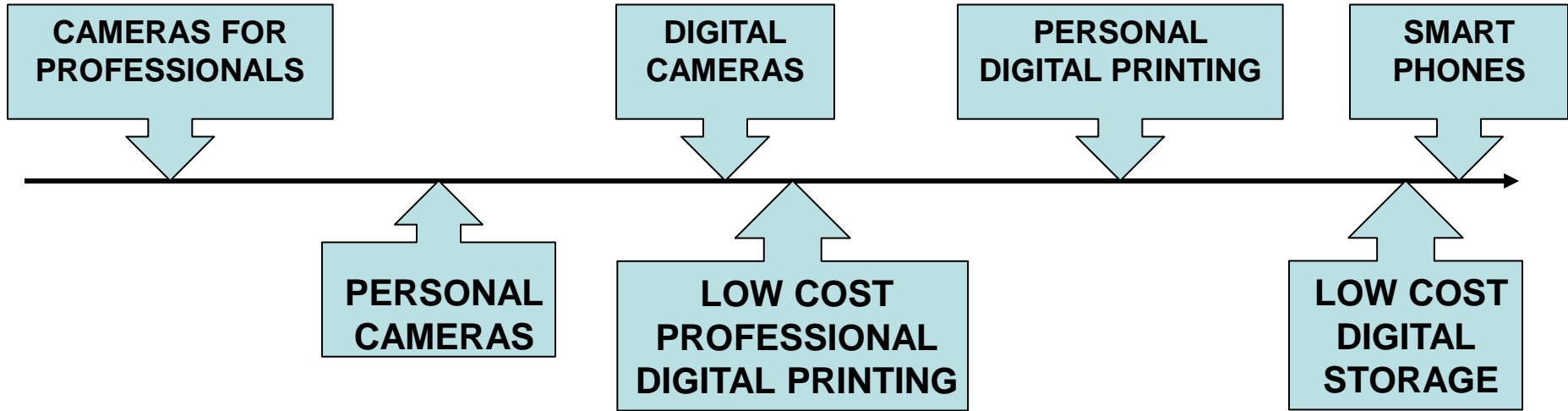
Markets / Consumers
Suppliers / Partners
Distributed

SUSTAINABLE

Clean Products & Processes
Resources Efficiency

AND DIGITAL

ADMIRAVEL MUNDO NOVO - EXAMPLE - PHOTOGRAPHS



EXPERTISE

MASSIFICATION

DIGITALIZATION

AUTONOMY

VIRTUALIZATION

**CLOUD
COMPUTING**

**INTERNET
OF THINGS**

BIG DATA

**DIGITAL ENGINEERING
MODELING AND SIMULATION
(PRODUCTS AND PROCESSES)**

**FLEXIBLE,
COLLABORATIVE AND
MOBILE ROBOTICS**

**3D PRINTING
(MULTI MATERIAL)**

**SENSORS AND
ACTUATORS**

CUSTOMER/CONSUMER INVOLVEMENT (CO-CREATION / CUSTOMIZATION) - CERAMICS

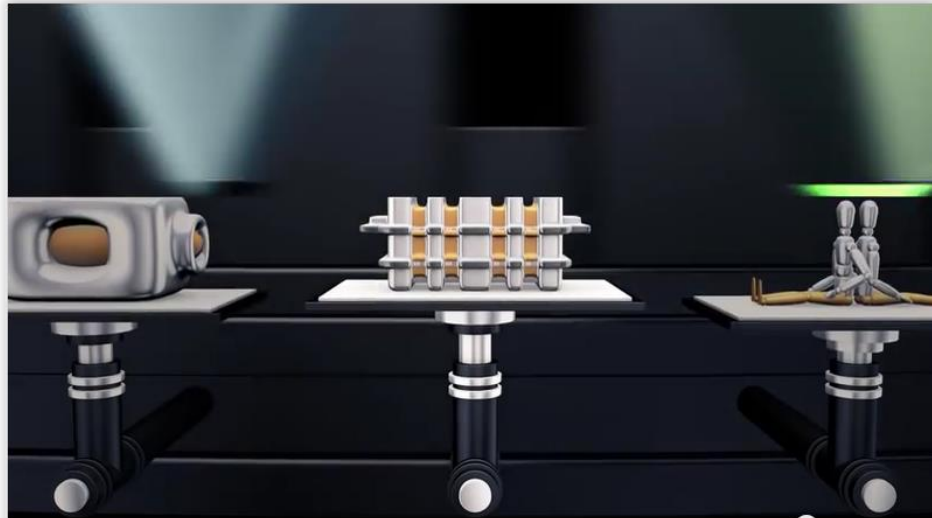
CUSTOMER/CONSUMER TAKES OVER PRODUCT CREATION AND DEVELOPMENT – ACCESSORIES

PRODUCTION NEAR CUSTOMERS/CONSUMERS (BACK TO CITY CENTER / SMALL TO MEDIUM SERIES / INDEPENDENT PRODUCTION CENTERS – GLASSES

PRODUCTION @ CUSTOMER/CONSUMER – SPARE PARTS



HIGH SPEED MULTI MATERIAL 3D PRINTING



<https://www.youtube.com/watch?v=FXi2b4vqvug>

Ingredient Based Food

Key characteristics

- A mix of ingredients 'extracted' from raw materials creates end product.
- Ingredients are a tradeable global commodity
- End user might define the meal solution (Flavour, nutrition, volume etc.)



- **INGREDIENTS PRODUCED AND PROCESSED WHERE MORE EFFICIENT**
- **SHIPPED TO CONSUMPTION POINTS**
- **CUSTOMIZED TO CONSUMER, @SHOPS OR @HOME**



<https://www.youtube.com/watch?v=x6WzyUgbT5A>

SOURCE: FOODMANUFUTURE PROJECT (<http://foodmanufuture.eu/>)

SOURCE: TNO