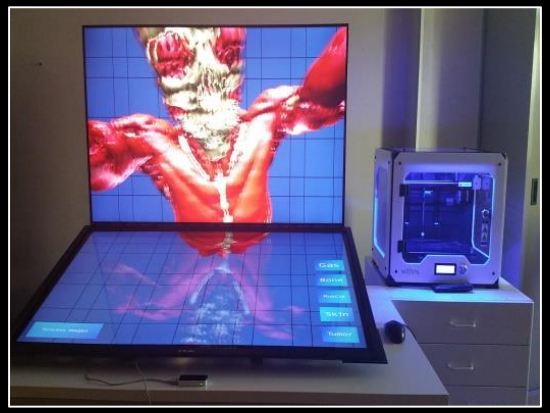
CreativiTIC
Augmented Reality architects

#HOLODECK

The 4D Holographic Desk for Clinical Diagnosis in Nuclear Medicine

#HOLODECK

'HoloDeck' is a 4D immersive visualization system to improve the accuracy, speed and efficiency for clinical diagnosis in Nuclear Medicine. This system integrates a workbench that generates interactive and gesturally operable 3D models, based on the two-dimensional images coming from the existing PET/TC systems. This prototype, totally functional, is a collaborative R&D project developed between CreativiTIC and CIBIR (Center for Biomedical Research of La Rioja - Rioja Health Foundation).



#HOLODECK
bq
Gas
Bone
Muscle
Skin
Process Images
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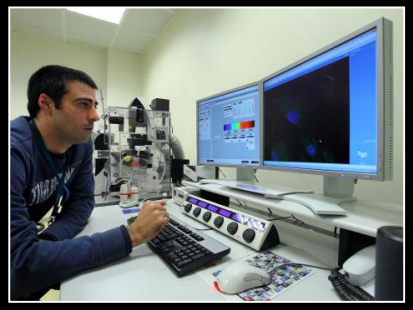
#HOLODECK

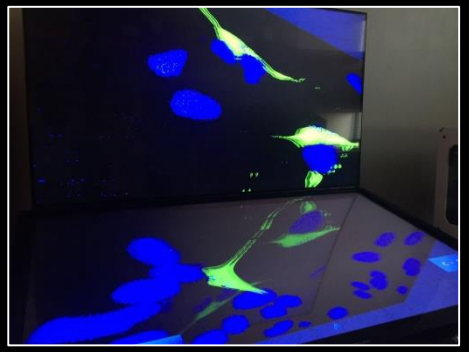
The Multipurpose #4DHolographic Viewer!

The images coming from PET/TC & Confocal microscopy are processed, transformed into 3D models and displayed in the Holodeck workbench.

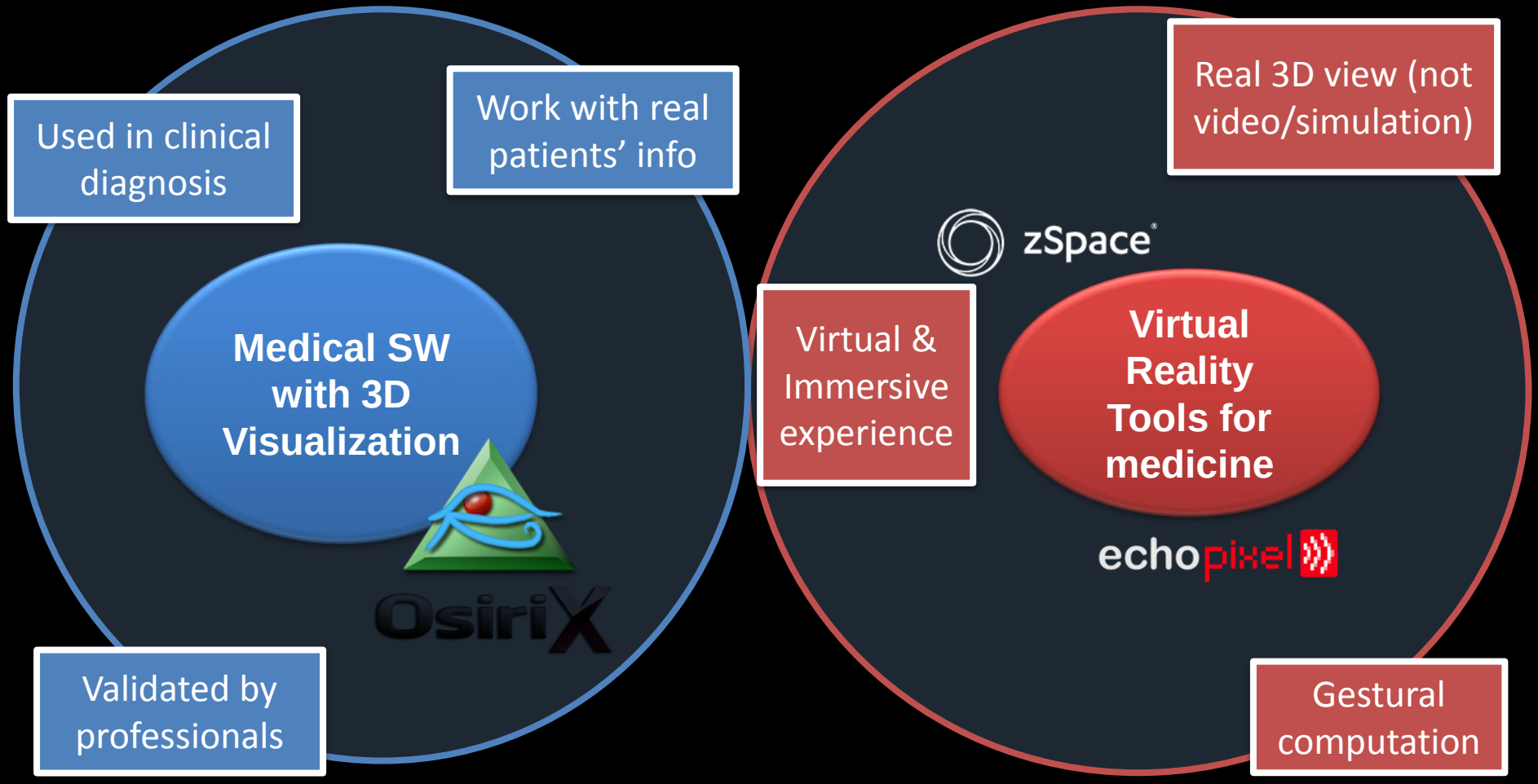
HOLOLUS SOFTWARE



The models (generated by layers and independently operable and printable) are manipulated with tactile screens and gestural computation devices.



OTHER SOLUTIONS IN THE MARKET



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#HOLODECK is more!

Transferred to confocal microscopy

Scalable to other sectors (e.g. industry, education etc.)

Used in clinical diagnosis

Work with real patients' info

Real 3D view (not video/simulation)

Medical SW with 3D Visualization

OsiriX

Virtual & Immersive experience

zSpace

Virtual Reality Tools for medicine

echopixel

Validated by professionals

Generates 3D models by layers for biomaterial 3D printers

Gestural computation

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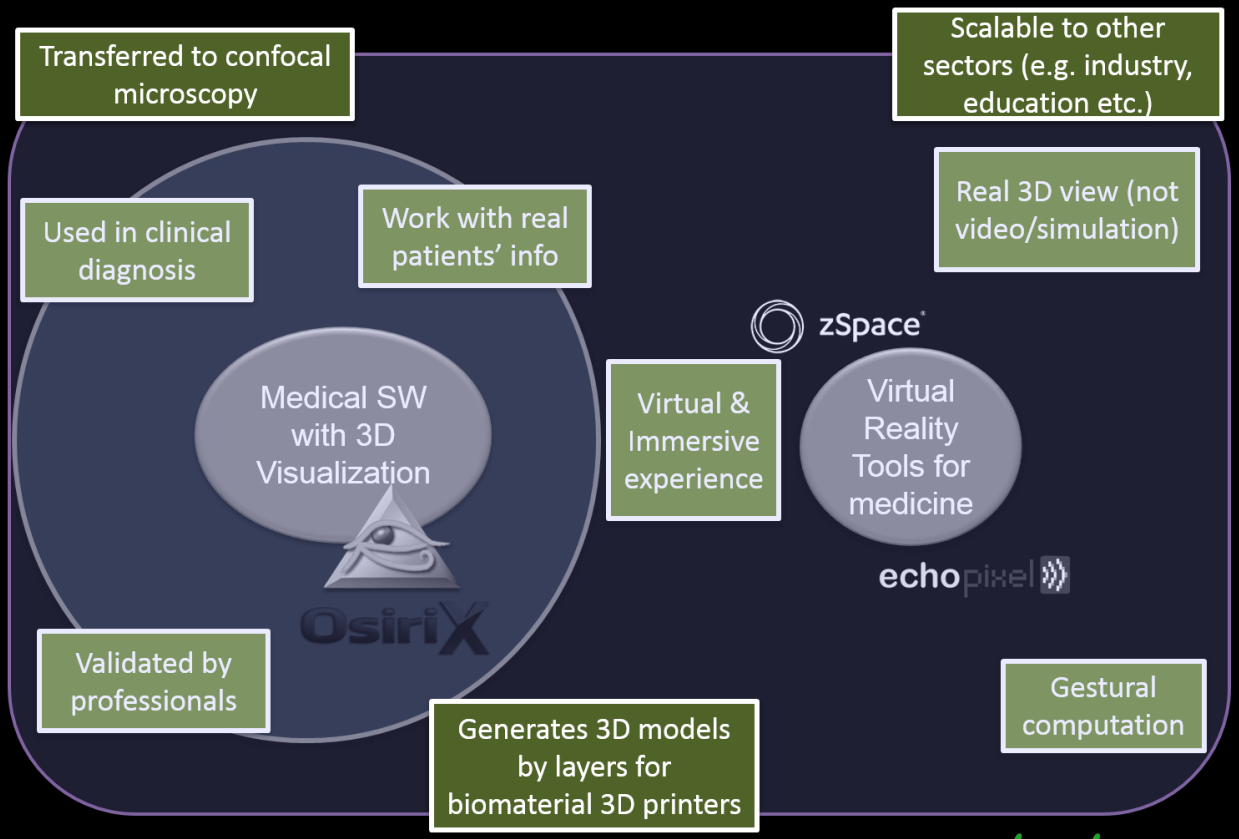
#HOLODECK NEW FEATURES

Automatized predictive algorithms for tumor detection in prediagnosis

Direct connection to real time scanners (e.g. gamma cameras) for live 3D visualization

Interconnected systems for collaborative diagnosis around the world



Improved detection accuracy working with complex areas i.e. head & neck

Connection to portable systems (tablets) for mobility

Used in surgical and nursery training as replacement of cadaver rooms

Used in industry for rapid prototyping and machinery condition simulation

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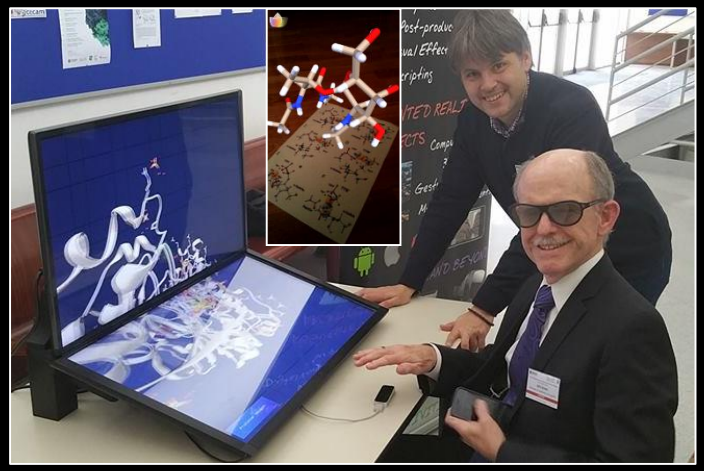
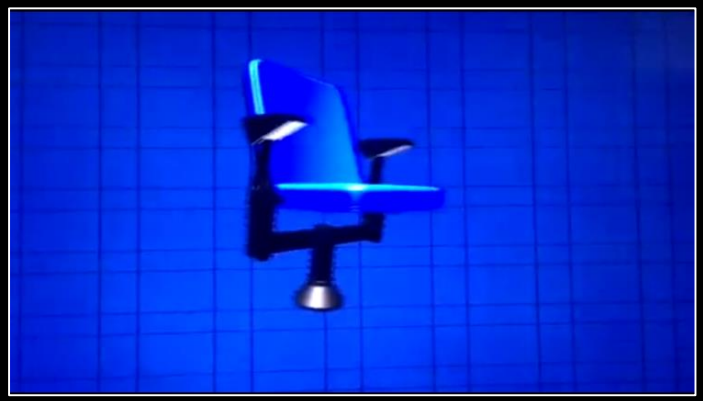
#HOLODECK Global Market

BioScience & Research



eHealth

Education



Industry 4

Tourism & Museums

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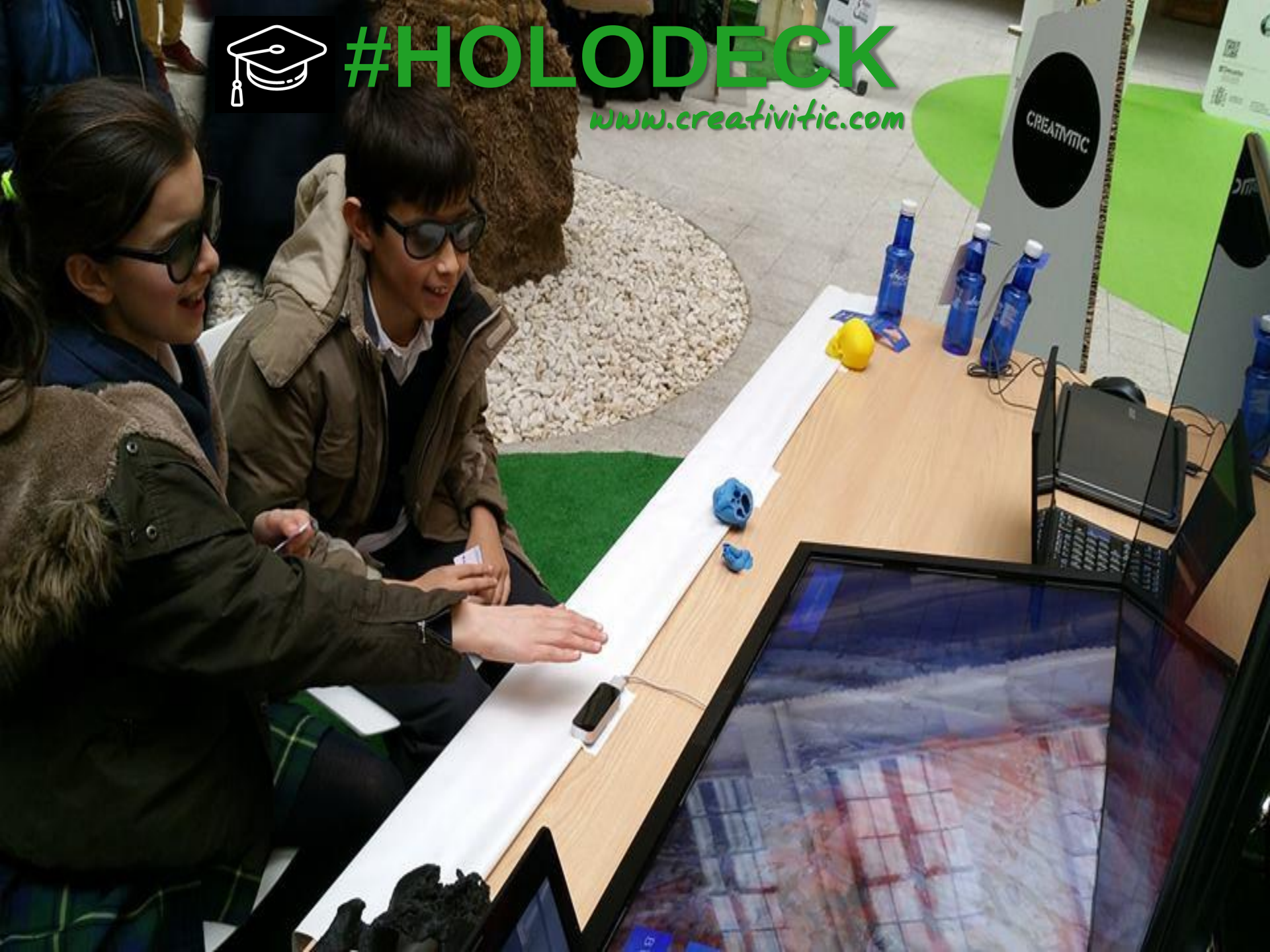
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The #COMPANY

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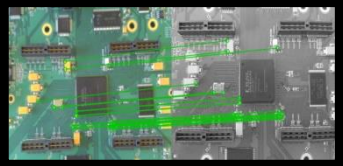

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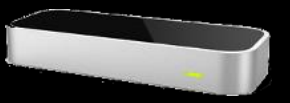
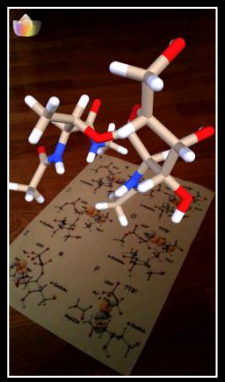
Location
LA RIOJA & BASQUE COUNTRY
(SPAIN)





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The #FOUNDERS

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Gestual computation

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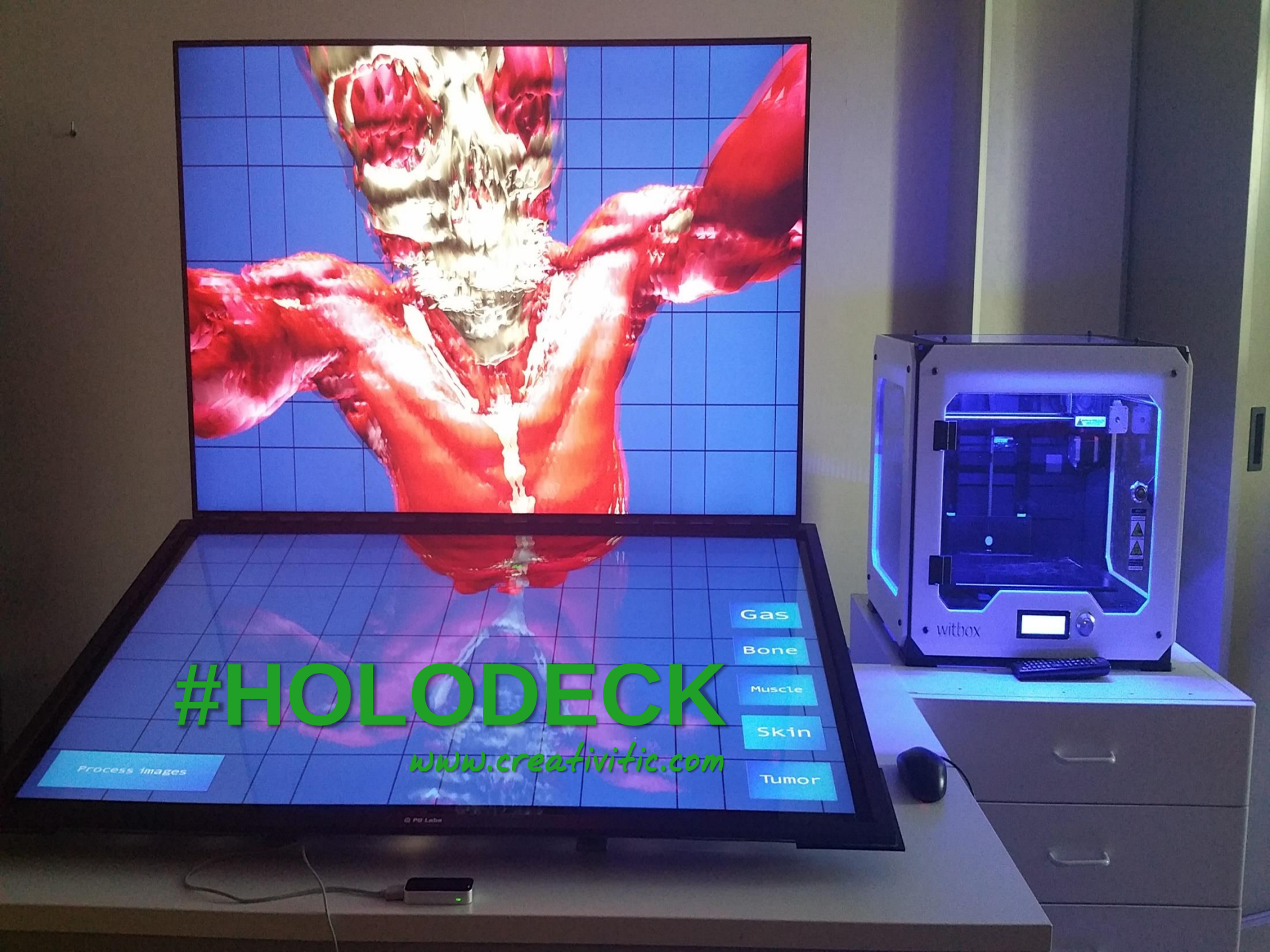
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#CONTACT US!

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