

Future of the Orthopedic Dentistry?

Lake Baikal, Island of Olkhon, 2017



MASTER
LAB





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EFEKTYVUMAS



EFFECTIVITY

90 %

Iškart tikę darbai

Perdaromi darbai - nuo 1-**5 %**

Taisomi darbai - apie 1-**30 %**

Vėluojantys darbai - apie 1 %



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3D PRINT



3D PRINT



LaserCUSING®
Quelle: Concept Laser GmbH



CAD/CAM

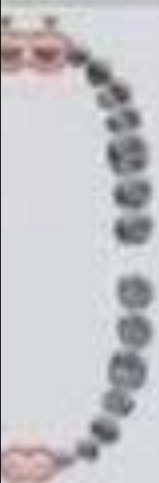


CAD/CAM



analysis

Next

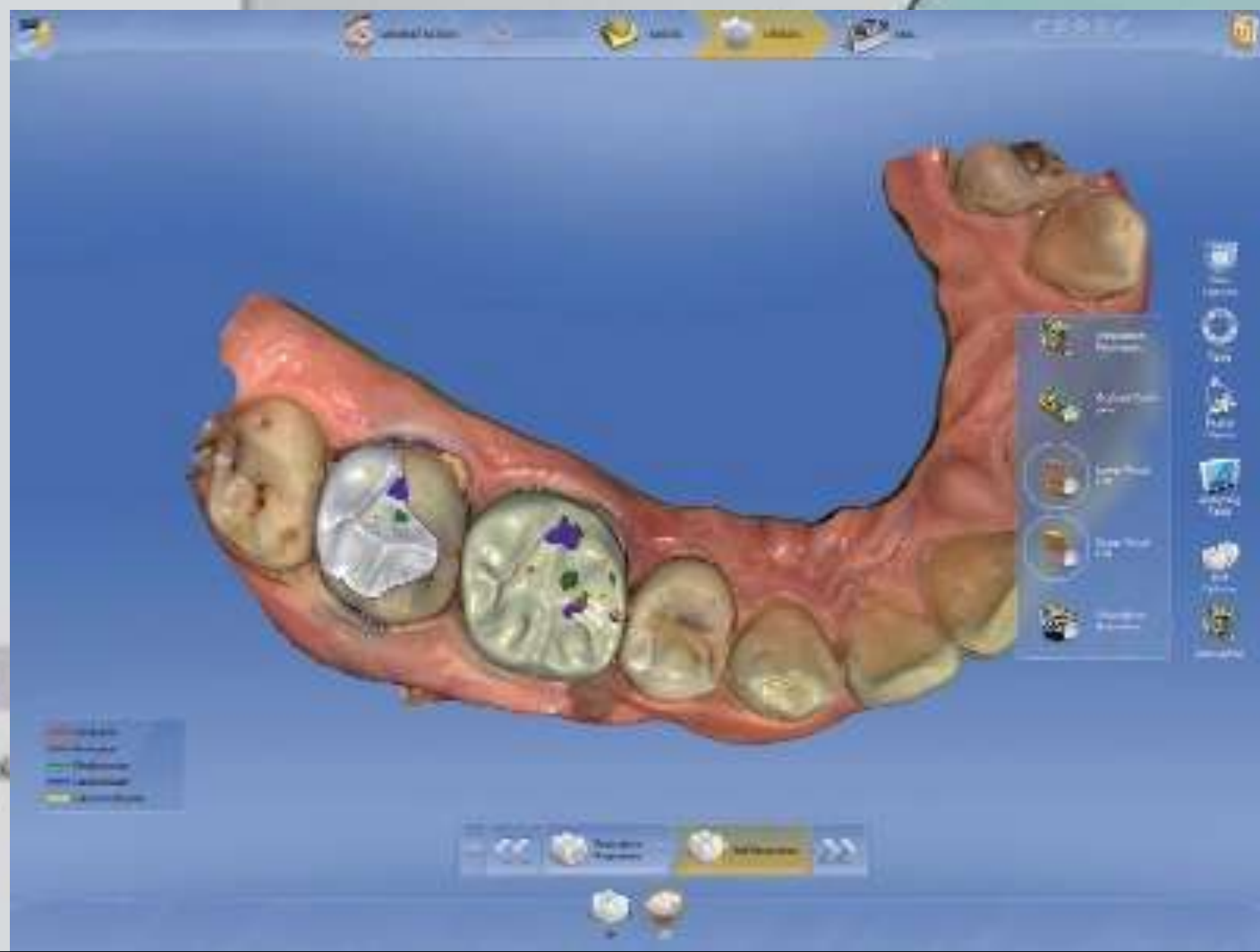
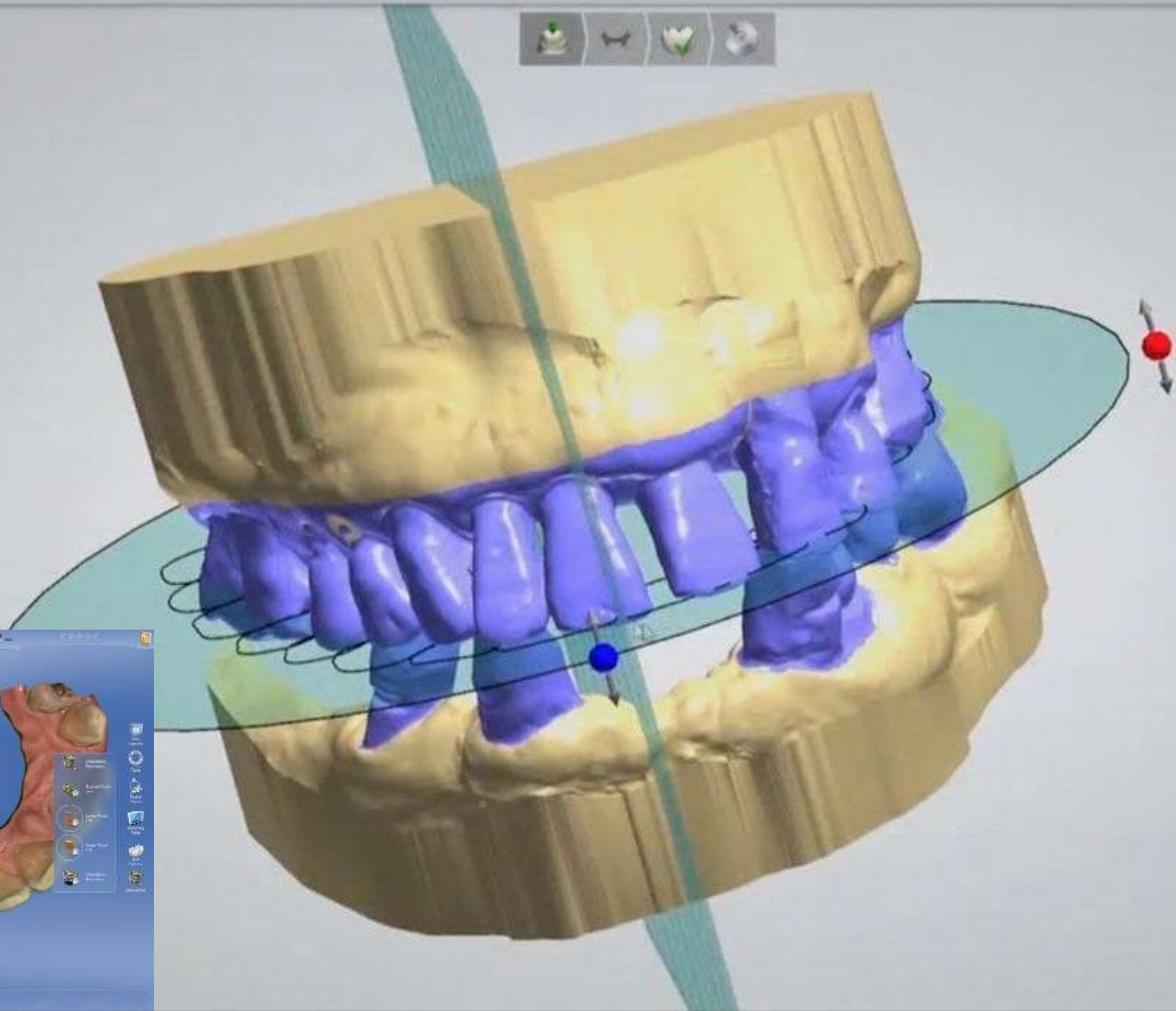


plane

basic points

boundary

new boundary



BruxZ
SOLID ZIRCONIA



19 a.

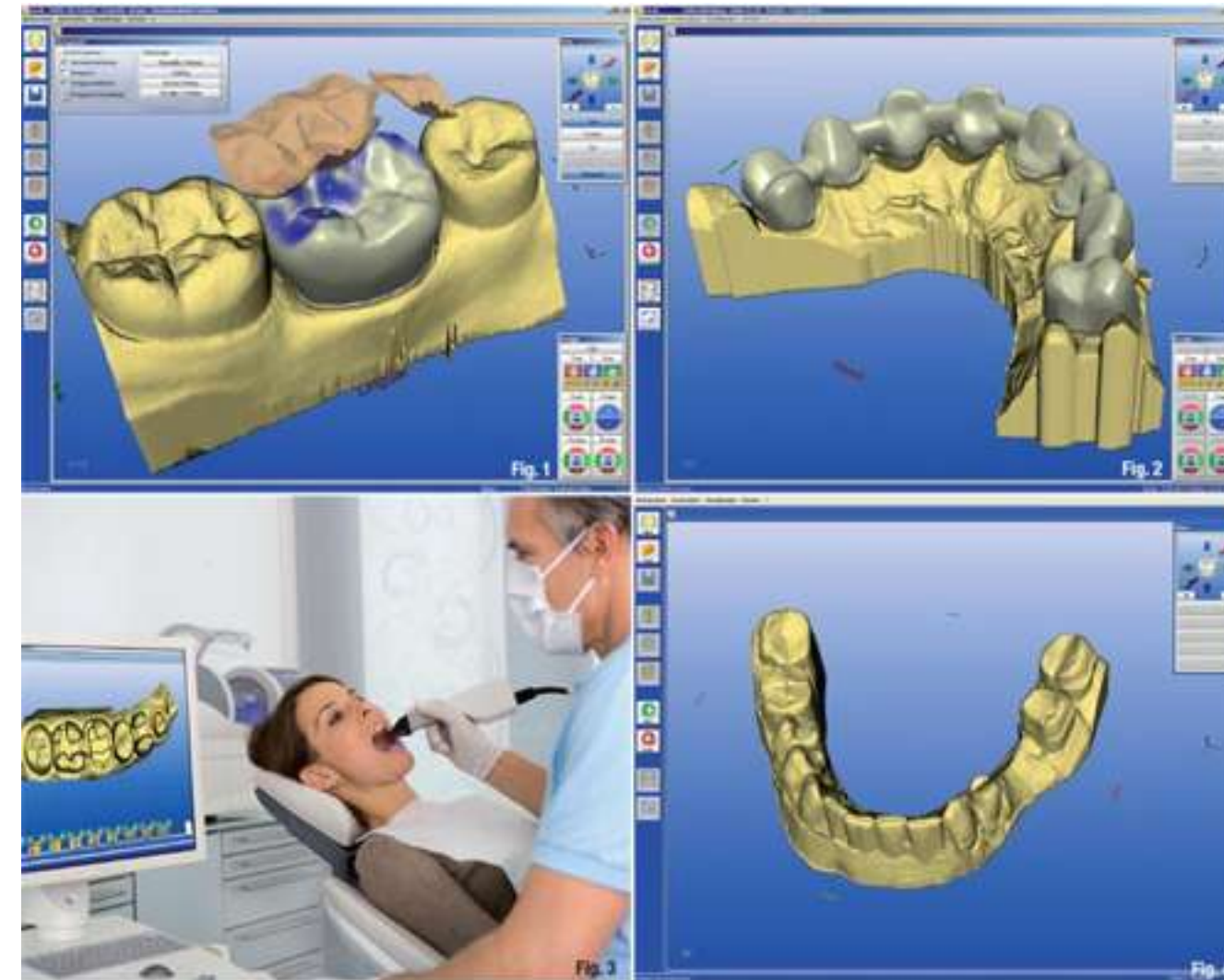


21 a.



DIGITAL NOYSE

all on four
4



CEREC[®]
One-visit dentistry

With CEREC[®], teeth can be restored in a single sitting!



CEREC®

One-visit dentistry

With CEREC®, teeth can be restored in a single sitting!



DAZZLE WITH ALL ROUND BRILLIANT WHITENESS*

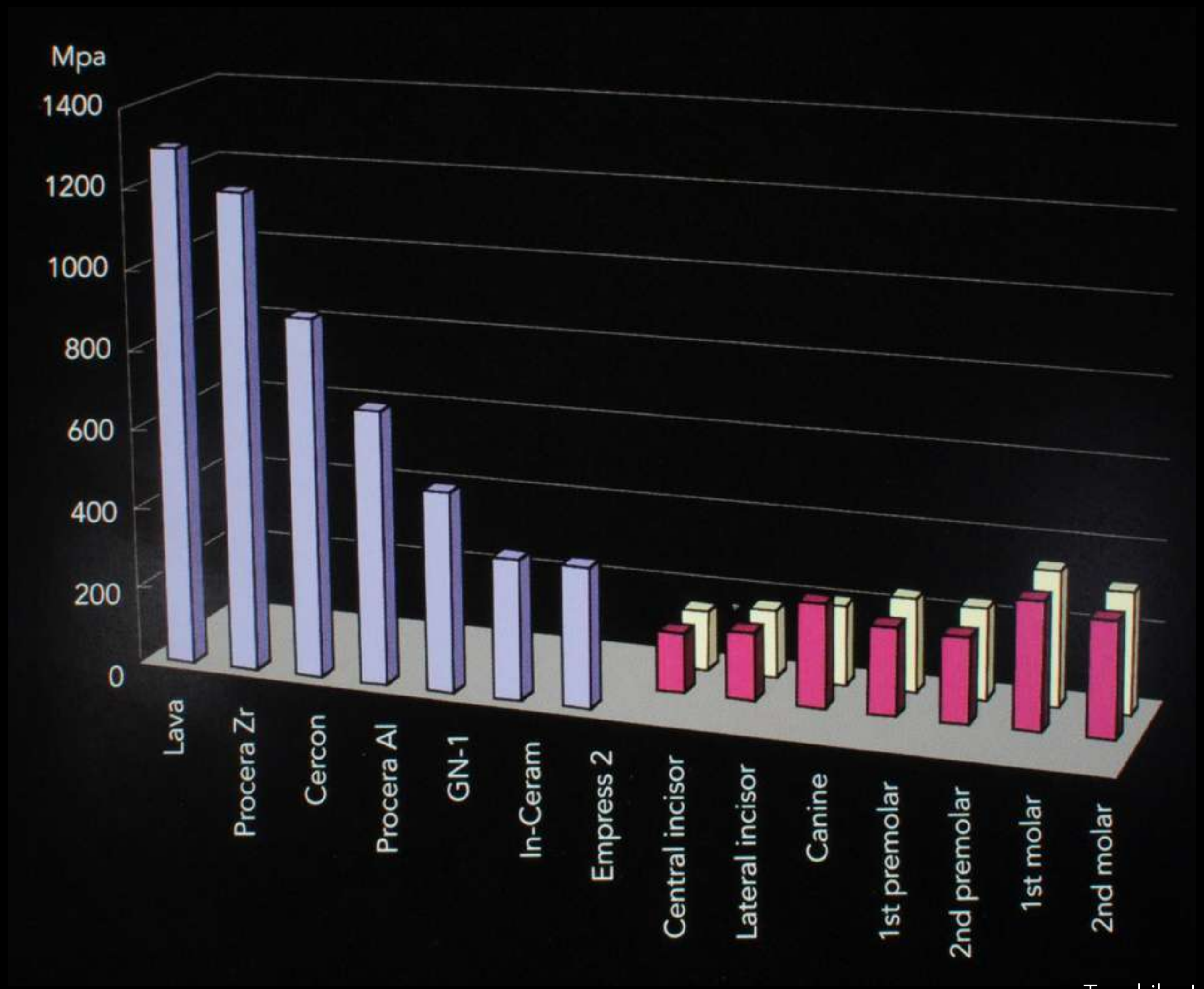
WITH SMARTFOAM™



*Applies to Luminous Toothpaste

A promotional advertisement for Colgate Max White One. On the left, a smiling woman with blonde hair is shown. The background is a vibrant red with bokeh light effects. The headline reads "DAZZLE WITH ALL ROUND BRILLIANT WHITENESS*" in white. Below the headline, it says "WITH SMARTFOAM™" next to a circular icon of a tooth with foam. The central focus is a collection of Colgate Max White One products: a tube of Luminous toothpaste, its box, a 360 Max White One toothbrush, and a bottle of mouthwash. A small note at the bottom right states "*Applies to Luminous Toothpaste".

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- Material
- Maxillary load
- Mandibular load



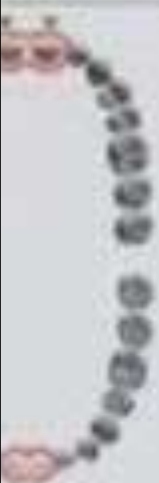
60/70 MLRD.



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LAB

analysis

Next

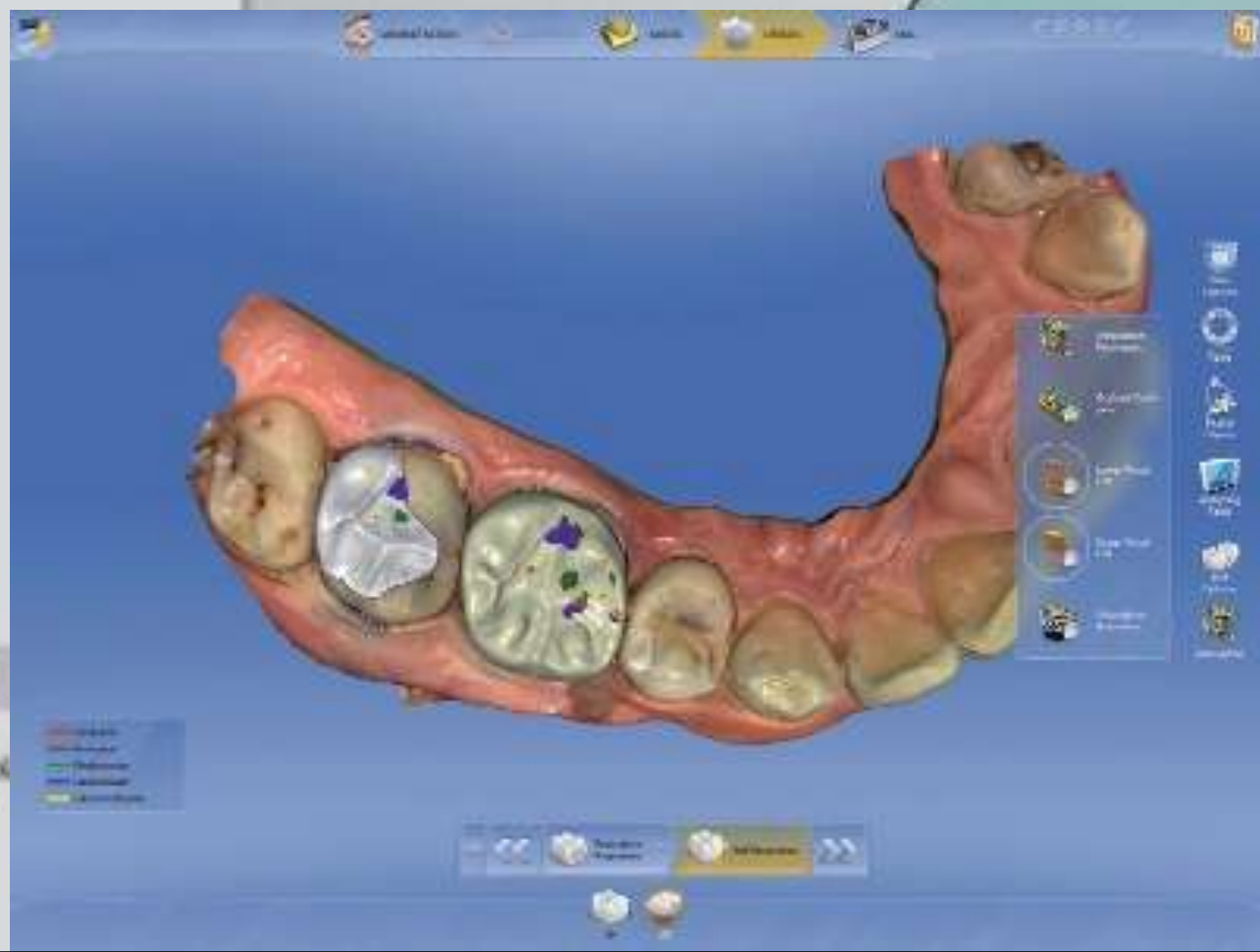
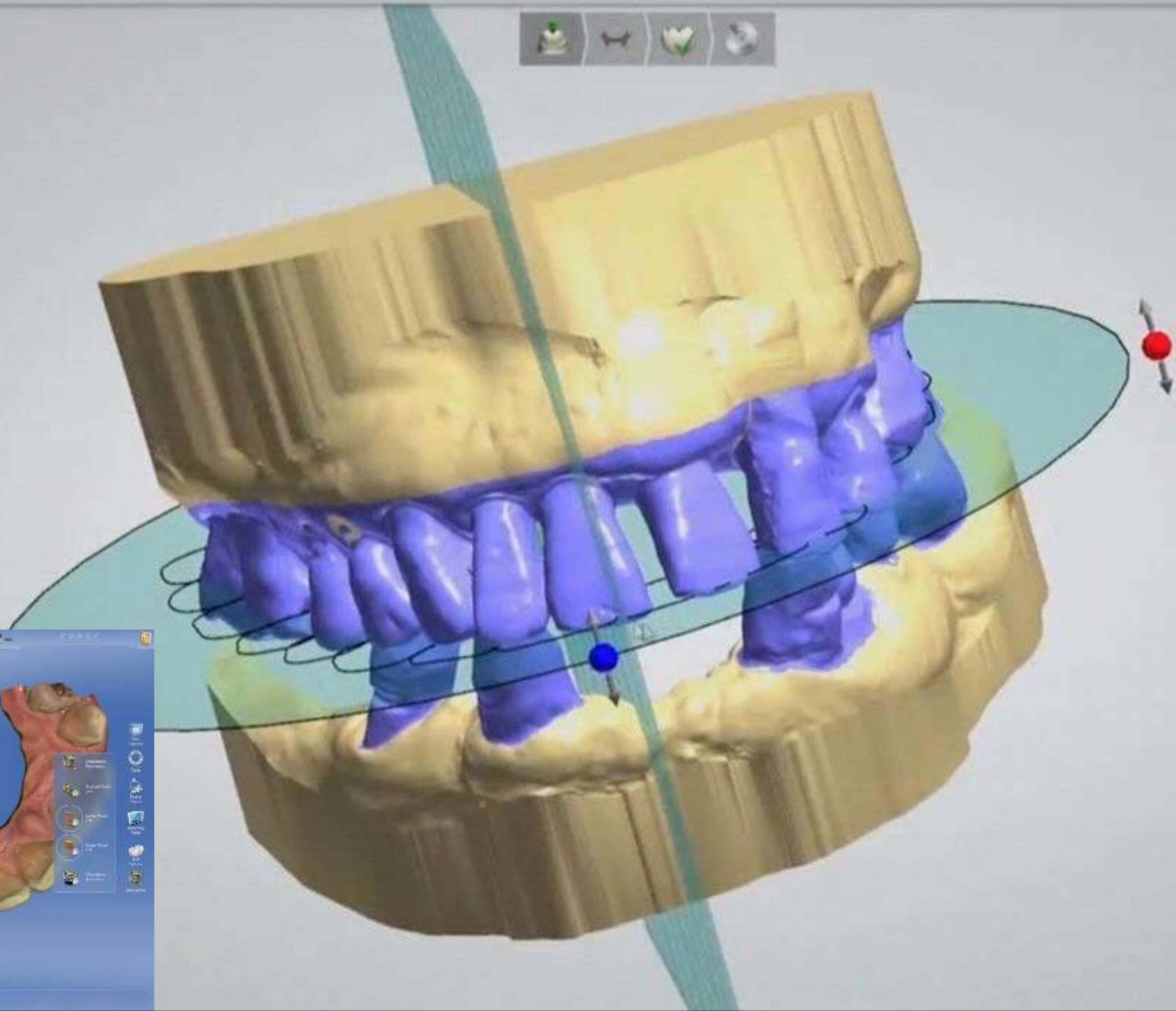


plane

basic points

boundary

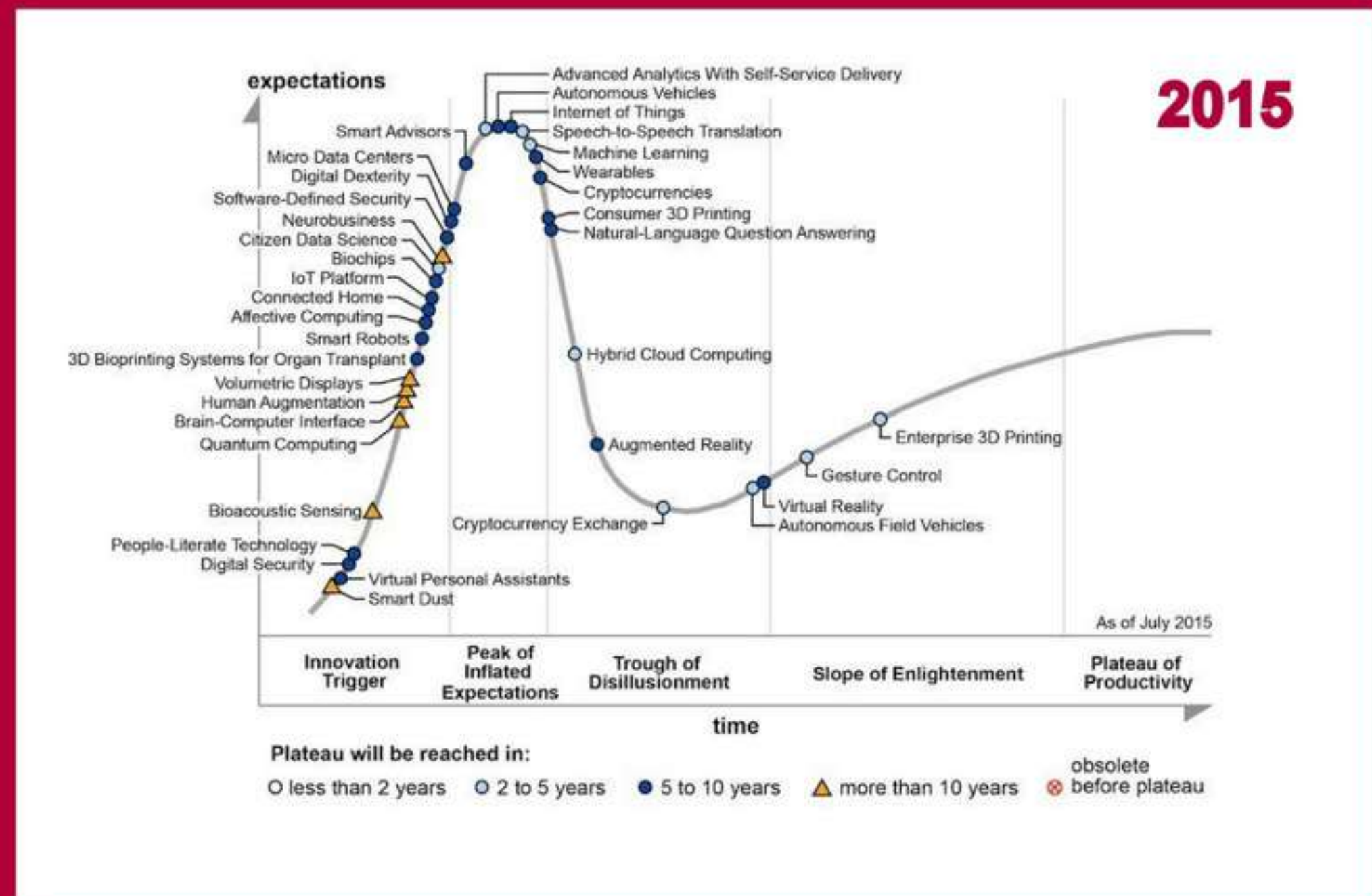
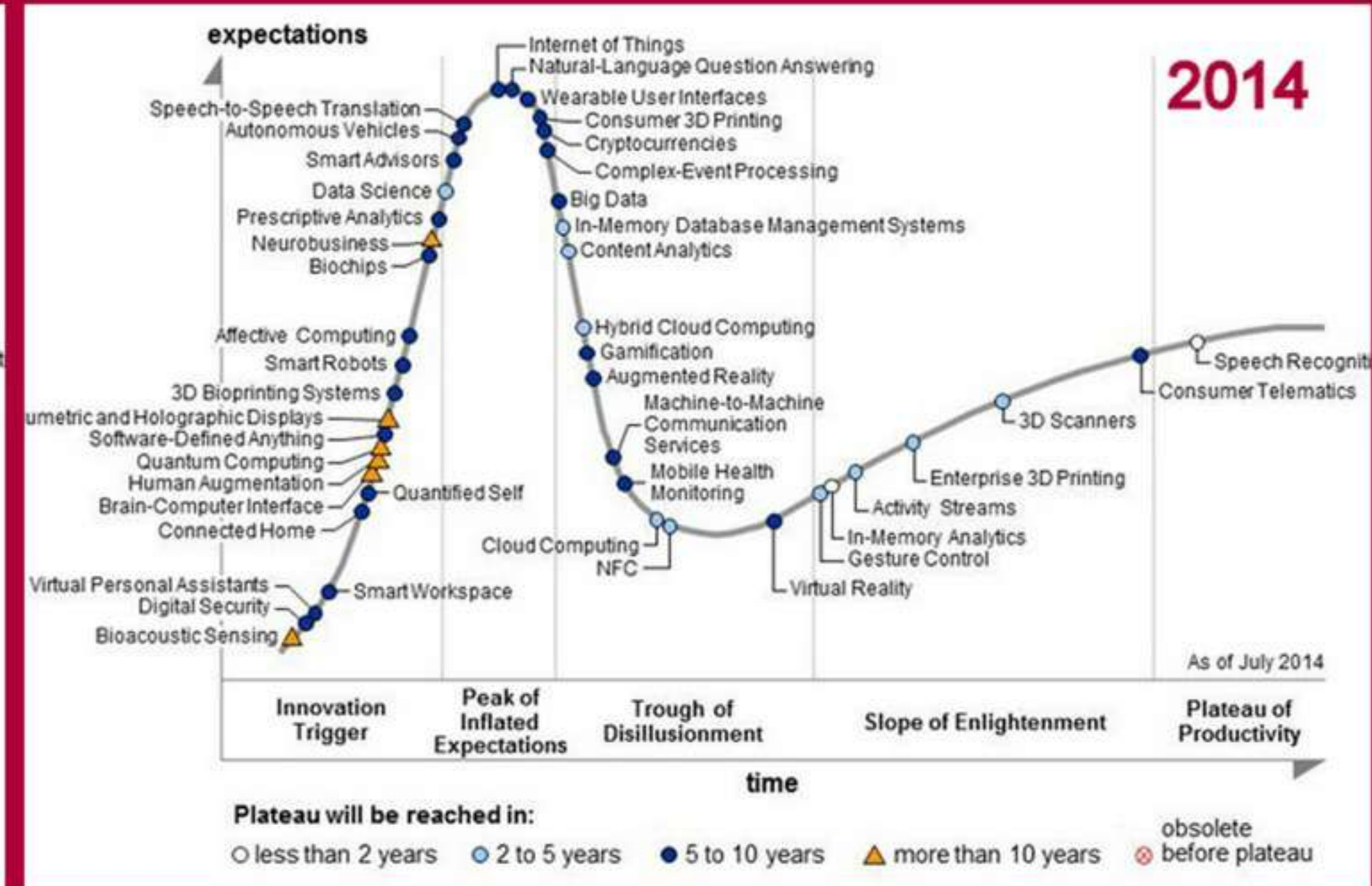
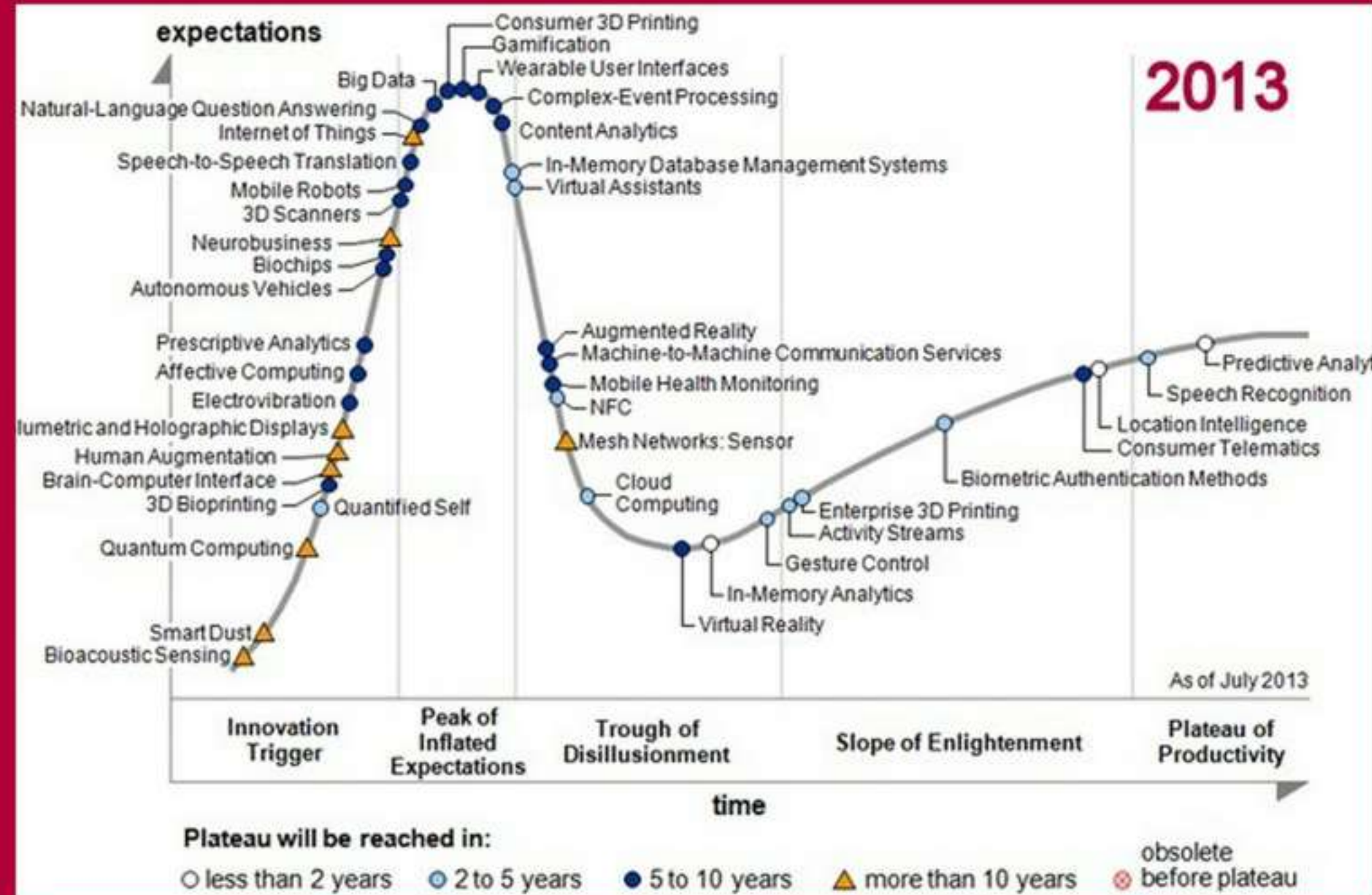
new boundary



BruxZ
SOLID ZIRCONIA







Source: Gartner (July 2016)





REPUTACIJA | PRESTIŽAS | PATIKIMUMAS

350 - 17.500 EUR



11.500 - 1.000.000 EUR





UNCOMPROMISING
QUALITY|TIME |COSTS





ARCHITECTURE

vs

DENTAL ARCHITECTURE

Customer

Patient

Land lot

Mouth

Landscape

Diagnosis, photos, models

Expectations

Expectations

Sketch

Diagnostic wax-up

Model

Model, mock-up

Project

Treatment plan

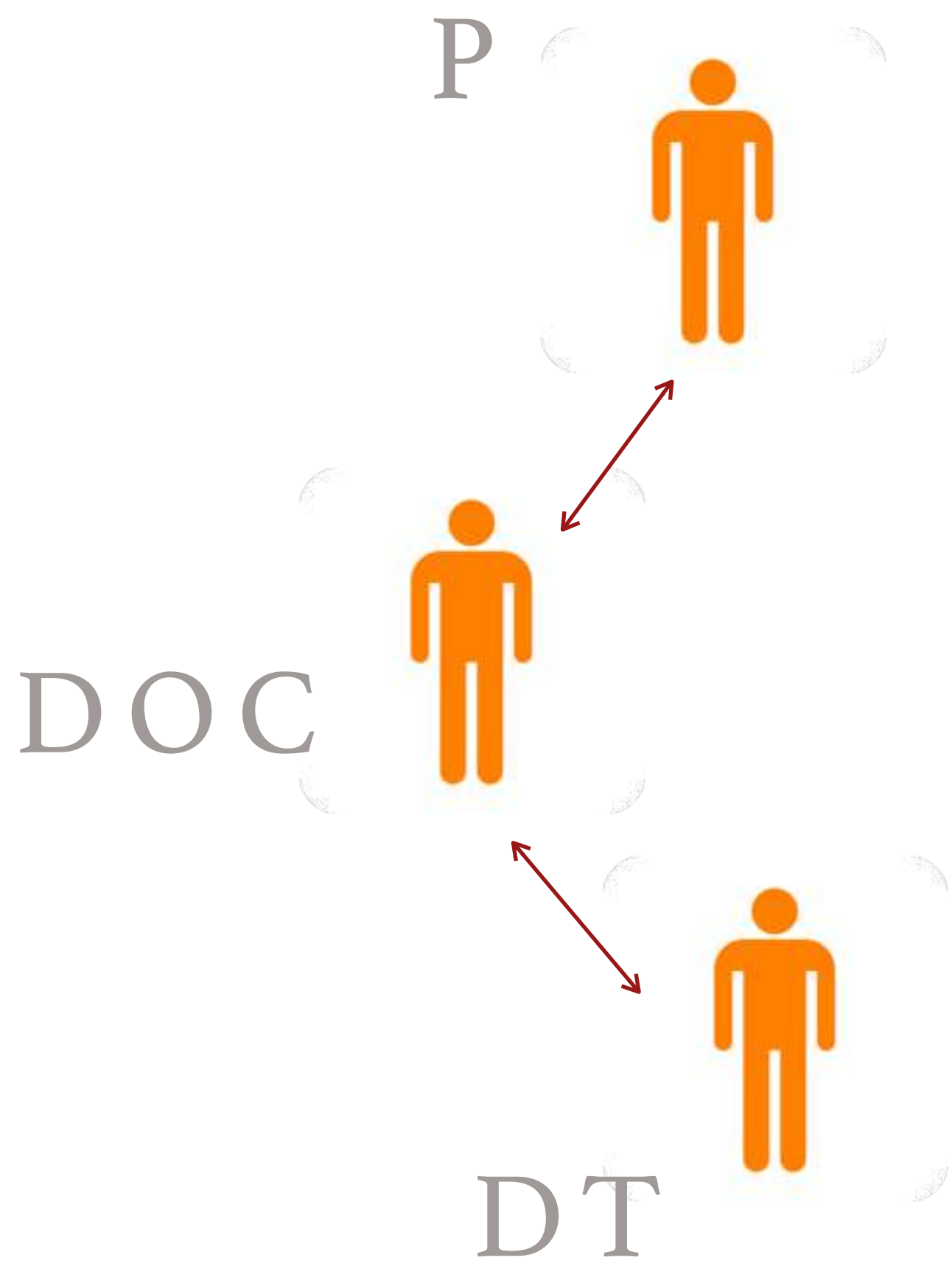
Building

Prosthetics

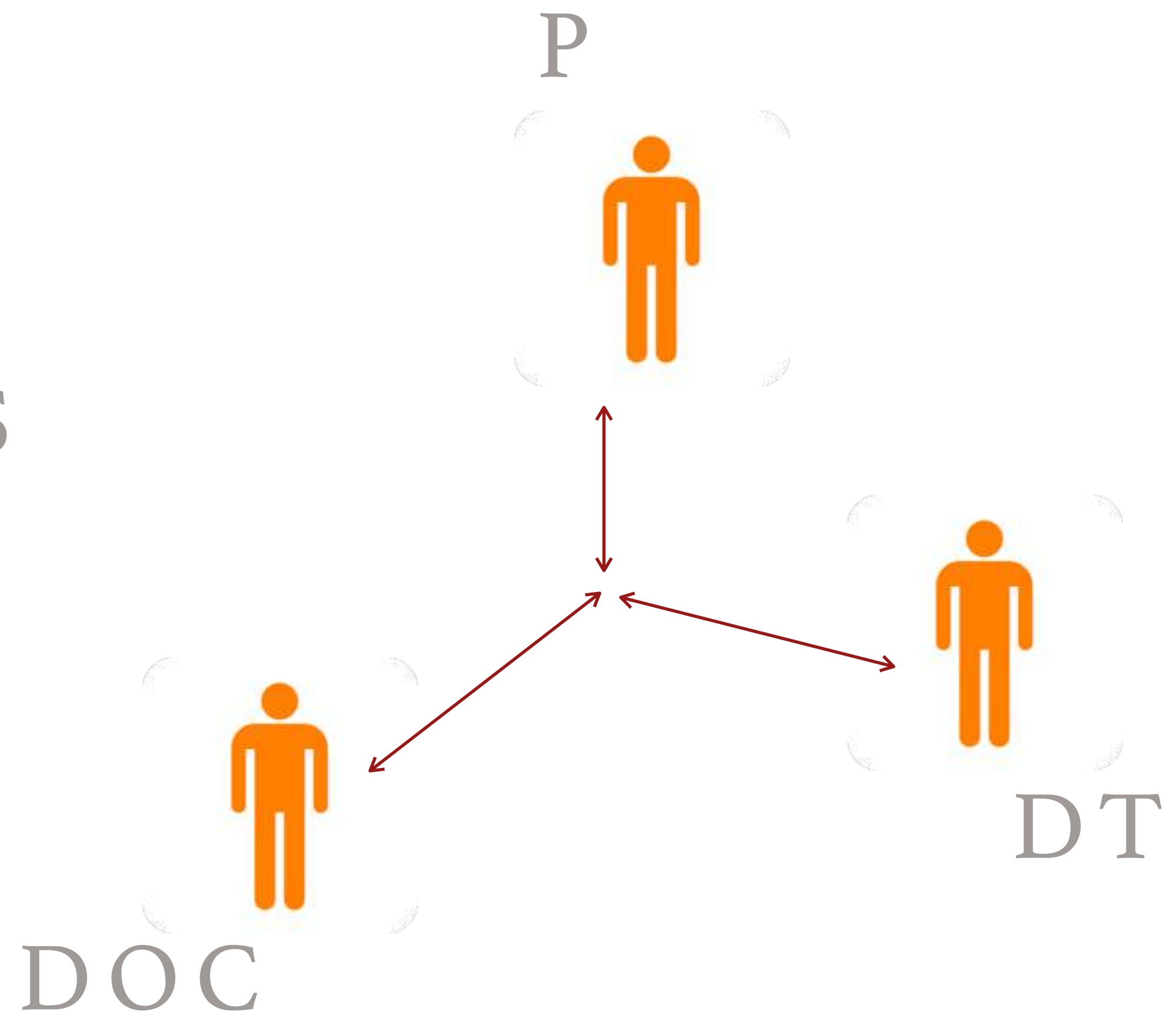


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SYSTEM

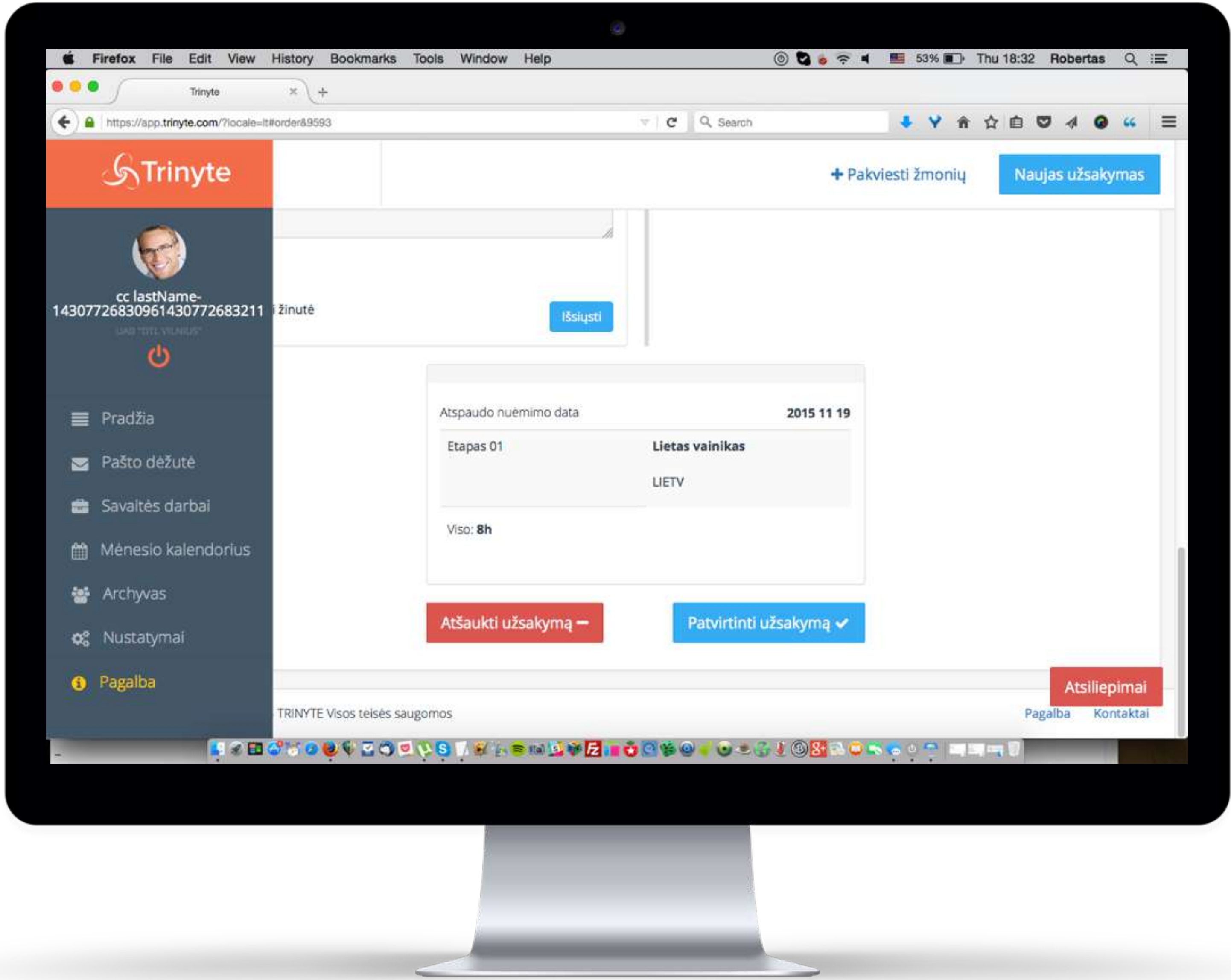


VS



KOMANDA





ESTHETIC

Intuition, Balance, Harmony,
Humility

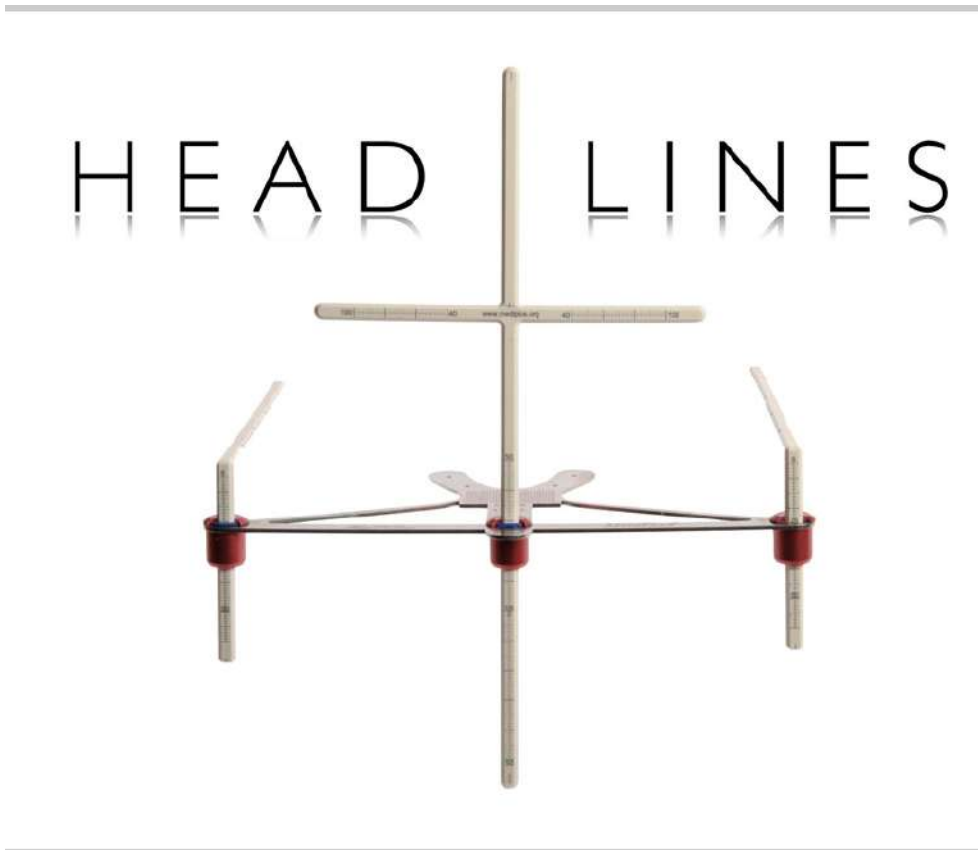
Modesty
Subjectivity
Blending in
Individuality
Longevity

COSMETIC

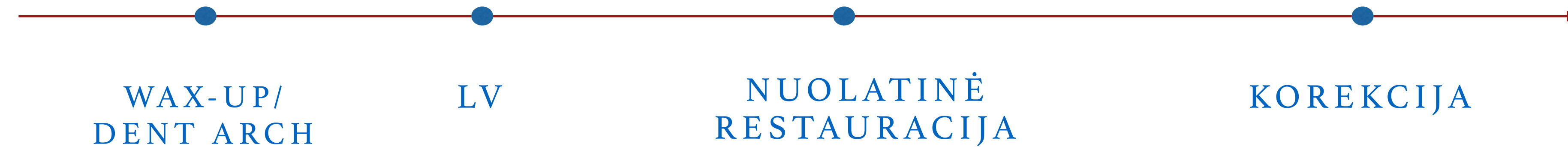
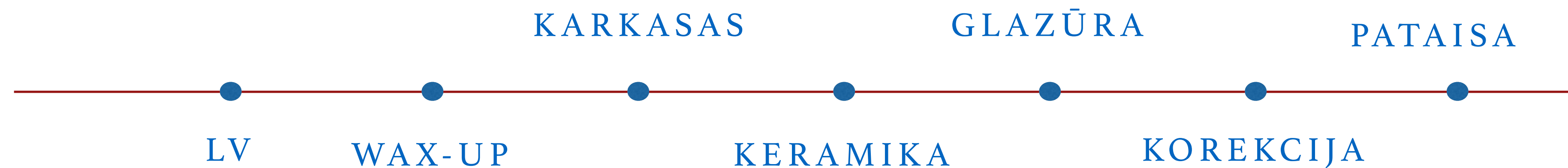
Style, Numbers,
Symmetry, Arrogance

Exaggeration
Stability
Visibility
Impersonality
Short Time

INFORMACIJA



PROSTHETIC PROCEDURE



EMULATION



BIO-MIMETIC



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#zero bone loss concept IN LAB



#zero bone loss concept

IN LAB



KERAMIKA

EM.X

ZRQ

#zero bone loss concept





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A black and white portrait of Frank Lloyd Wright, an elderly man with white hair, looking slightly to the left. He is wearing a dark jacket over a light-colored shirt. The background is dark and out of focus, showing some architectural elements.

“Shape is a function”

Frank Lloyd Wright, architektas

biomechanical code



MOCK-UP



MOCK-UP



NON

PREP



1%



1%



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0.6



ECOLOGY



10 % vs 60 %

LOTUS Q70/100











EDUCATION



EDUCATION



Etiudai

DentalArch©
Bazinės žinios
Manualinė technika



Klasika

Profesionalumas



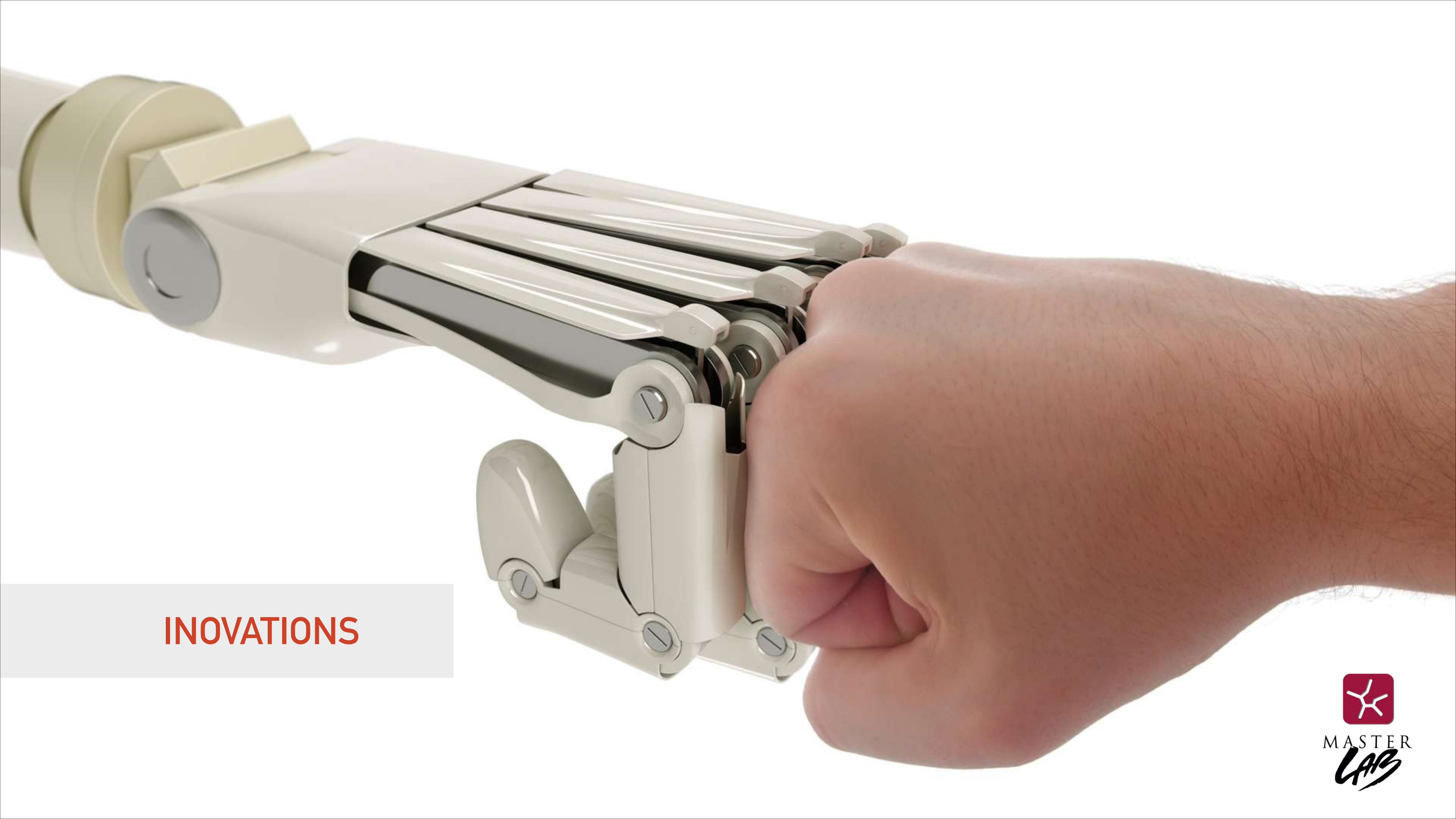
Jazz

Improvizacija
DentalArt



EMOTION









INOVATIONS

INOVATIONS

Navigating the next industrial revolution







Revolution	Year	What happened?	
	1	1784	Steam, water, mechanical production equipment
	2	1870	Division of labour, electricity, mass production
	3	1969	The computer, electronics and the internet
	4	?	The barriers between man and machine dissolve



INOVATIONS

Navigating the next industrial revolution



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INDIVIDUAL MEDICINE

2020 SKILLS

1. Complex Problem Solving
2. Critical Thinking
3. Creativity
4. People management
5. Coordinating with Others
6. Emotional Intelligence
7. Judgment and Decision Making
8. Service Orientation
9. Negotiation
10. Cognitive Flexibility



Davos, CH 2017





Machines will never **attempt** to do better and improve



Machines will never **attempt** to do better and improve

these **HUMAN** mission





問 peace of mind

AČIŪ



THANK YOU!



