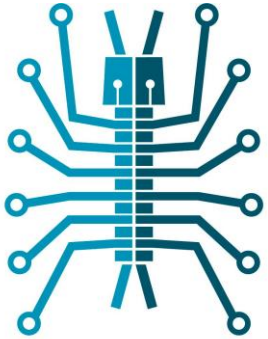

CENTIPEDE LABS

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NOWADAYS, ALL MODERN SURGERIES ARE BASED ON CT RECORDS.

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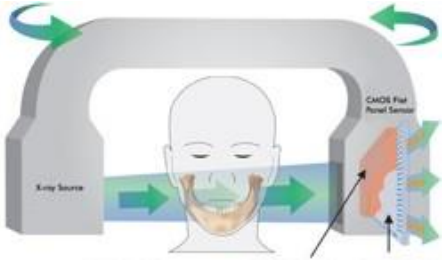
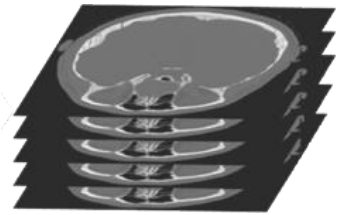
WHAT IS THE TECHNOLOGICAL PROCESS?



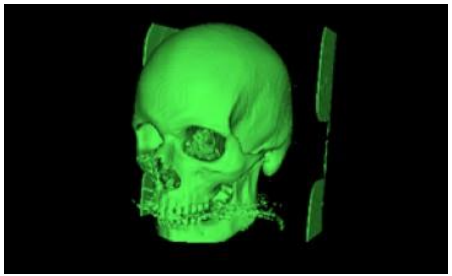
Scanning the patient with CT

Step 1



CT records of patient

Step 2



Generate 3D modell from CT

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WHAT IS THE PROBLEM WITH CT RECORDS?

METAL ARTIFACT NOISE

Original CTof hip bone

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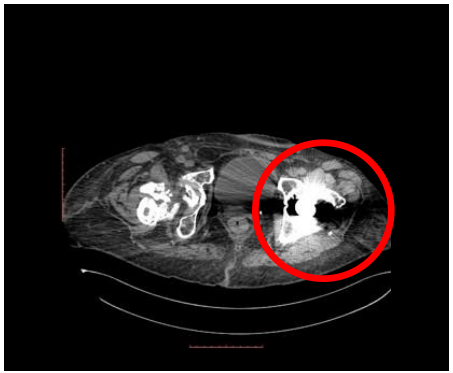
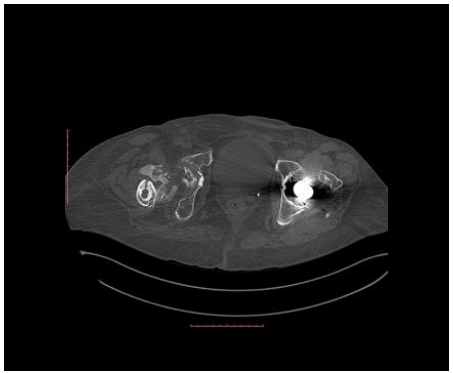
OUR SOLUTION
AUTOMATED CT IMPROVEMENT ALGORITHM



Original CT



Improved CT

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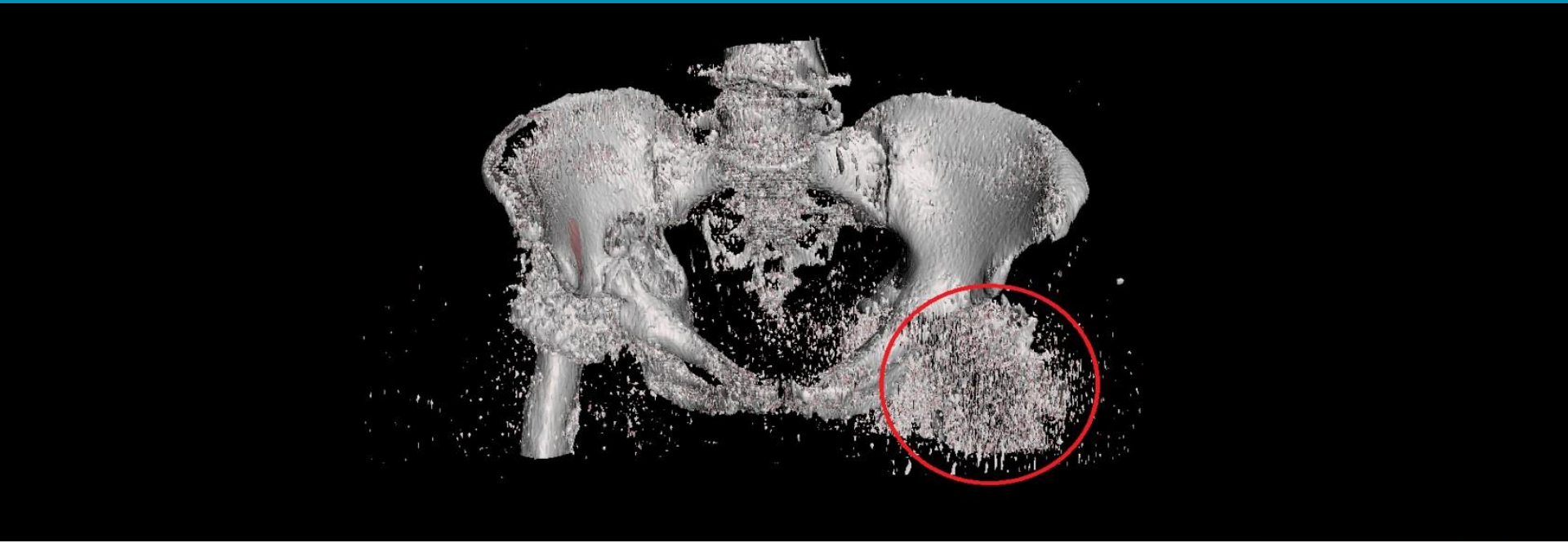
HIP BONE 3D RECONSTRUCTION FROM ORIGINAL CT



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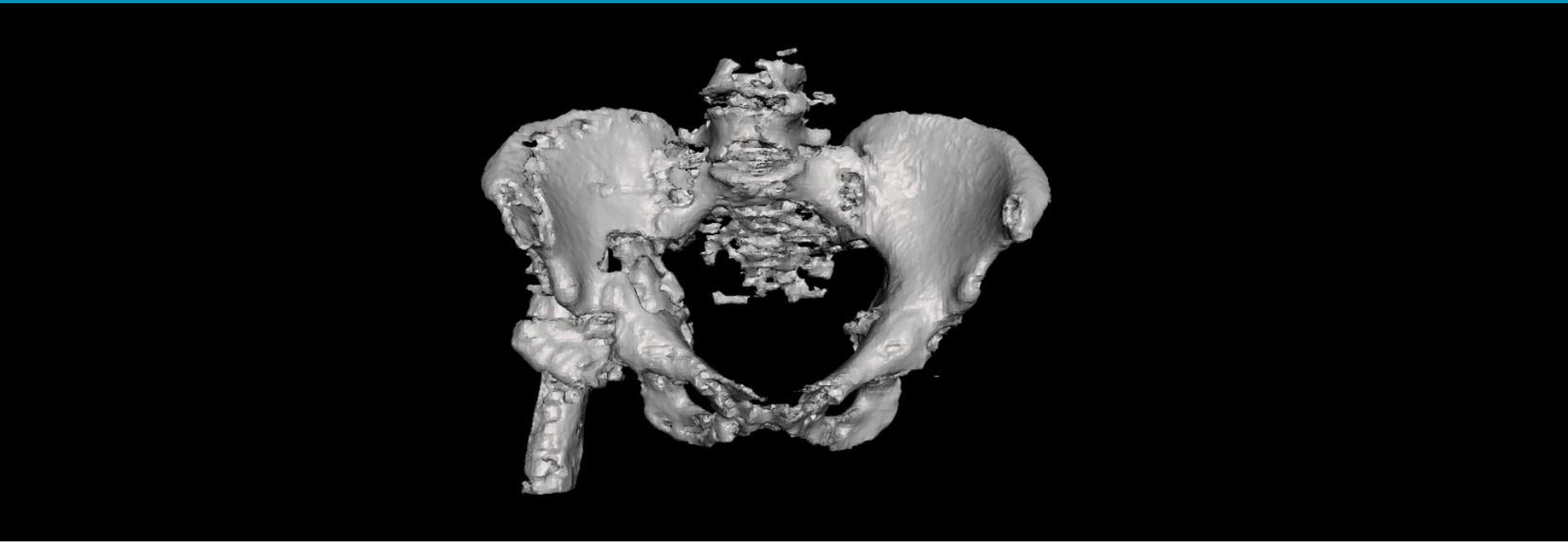
CT SEGMENTATION SOLUTION BY CENTIPEDE LABS



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MARKET SIZE

- There are 100,000+ CBCTs in the world
- CBCT recording to improve surgical planning: 1.000.000+
- Botiss multinational bone replacement company 1.6 million patients (c.a. 27,000 per month).
- Large companies in Europe, such as Xilloc, Straumann, 3Shape
- USA competitive software developer company: Materialise 2018 Q2 revenue $ 9.1 million

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APPLICATIONS
THESE MEDICAL INDUSTRIES BASED ON ANATOMICAL 3D MODELS

Hospitals, clinics (oral, orthopedic etc.)

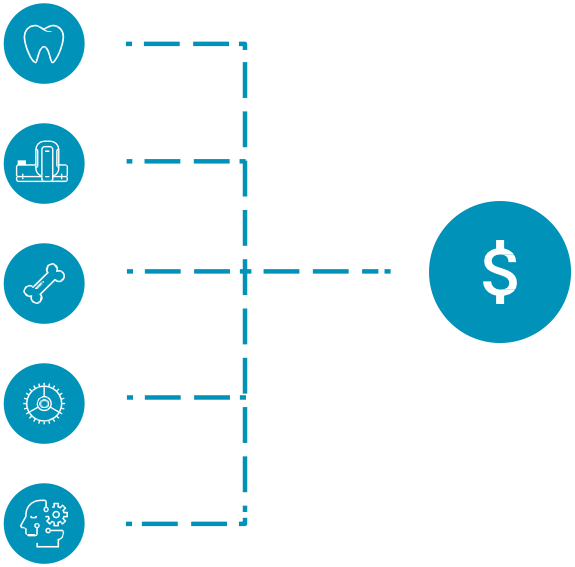
CT machine manufacturers and software developers

Bone grafting planner

companies Implantation planner

companies

Medical Artificial intelligence



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WHAT IS OUR ADDITIONAL VALUE?

Commercial semi-automated software

· The use of the software requires manual professional resources

· Emerging costs, human resources + software licence fee

· Creating 3D models can take from several hours to several days (noisy, low-grade CT scans)

Centipede Labs automated software

· To use the system does not require human professional resources

· Emerging costs, pay per record

· Creating 3D models takes only a few minutes

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THE EXPERIENCED TEAM

Miklós Vitéz
Head of Sales
He has interest in six IT startups, and has many years of experience in corporate management, project management and sales.

Gábor Dorogi
CEO/CTO
Idea owner; several and production for bone substitution; years of experience in X-ray and digital image processing, design deep experience in mechanical engineering and milling.

Bence Gazder
Head of IT
Several years of experience in system programing.

Kornél Kelemen
Senior IT developer
More than 20 years of professional experience in radiology and PACS systems.

Dr. Attila Bérces
Advisor
Founder of Omixon; experience in business development; prudent and thorough strategic management thinker, innovator.

Zsolt Németh
Advisor
Owner of App-Ray, mentor for startups, serial entrepreneur

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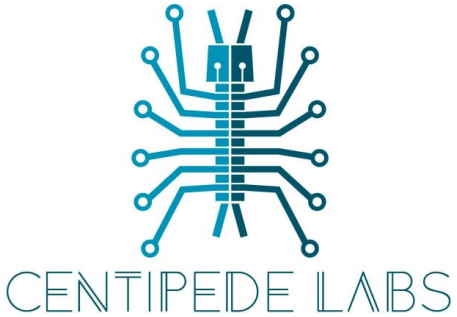

THANK YOU!
Questions?

CONTACT US!

Mike Vitez
mike@codecluster.io
+36 30 380 30 53

centipede-labs.com

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