

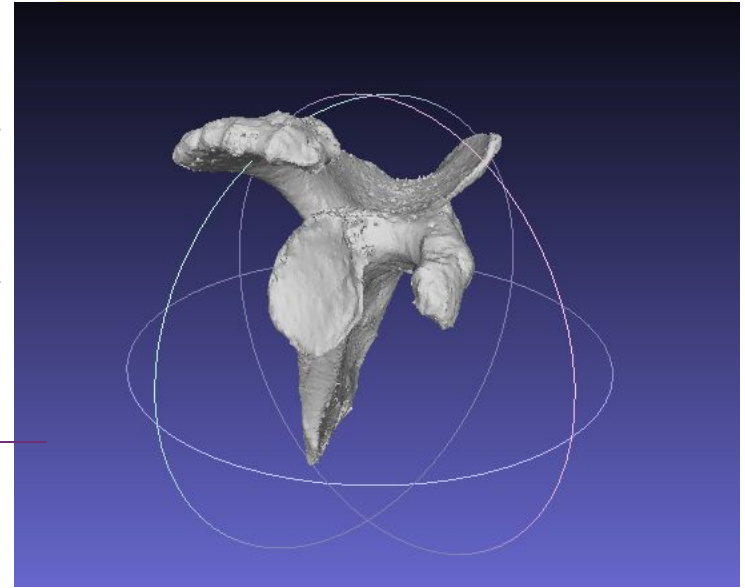
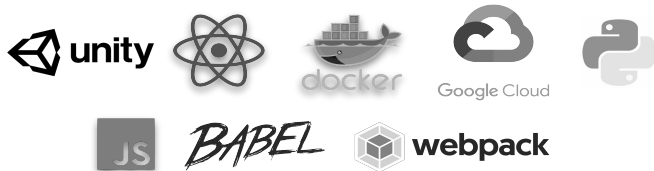
## Success Case

# 3D Surgery Planning

**SUMMARY:** Healthcare **Windows, Mac and Linux** application that manages shoulder surgery planning process. App core functionality is to apply a **machine learning** process to segment shoulder bones and propose implants and procedure. Doctor is able to modify proposed plan in a **3D Unity** based editor.

**KEY FACTORS:** Design and create a solution capable of merge computed tomography and magnetic resonance imaging and, visualizing these model in a 2D and 3D image. Specifies requirements for the development of medical software according to standard IEC 62304.

## TOOLS:



**Tech Group**  
Multiscreen, Machine Learning,  
Graphics and Media Engines

**Customer**  
High Tech Medical Device  
Development