**TRUVIS**
Imaging & Visualization

Universität Basel

# DIGITAL RECREATION OF VISUAL IMPRESSIONS OF OBJECTS
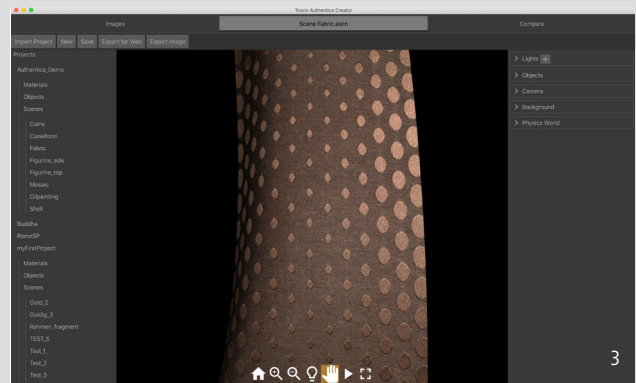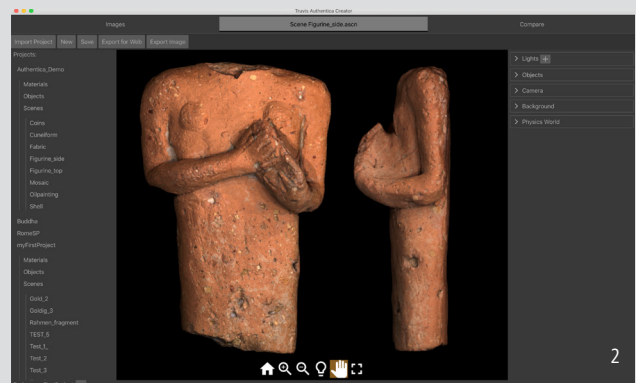
### Problem – Challenge

*Photography was and still is an important tool for the documentation of objects of all kind. A digital image is a common way to disseminate the visual impression of surfaces, colors and the shape of an object. Illumination is thereby very important to point out attributes of the object. Unfortunately, photography is static. It represents an object as it looked like while it was captured. This makes it impossible to alter the scene the object was captures later on.*

### Solution

*Truvis Authentica is a solution to capture the objects surface structure in a single process. The resulting surface model allows for later re-illumination and exploration of any detail in high resolution and with the full possibility to alter the scene.*

*Truvis Authentica allows to create high quality visual impression of e.g. candle light or various repro light settings. The resulting composition can be exported as image (JPEG, TIFF) or as web component, that can be integrated in any website to be visualized without plug-ins.*

*Typical application of Authentica are e.g. cultural heritage imaging, e-commerce, quality control or web-sites that allow exploration of artworks, collections or products. Authentica can be bought as integrated, full system, as software only and as Software as a Service (www.truvis.ch).*

1
Light dome scope D50 for automated surface acquisition of objects or details

2
E-commerce application in the website of a made to measure suiting company

3
Authentica Creater software for scene composition and web-export


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