HUNEFORM

For museums, heritage sites and tenders

Technical specifications

What the real-time walk-through needs, what it does with data, and what is still being built. Every line says how far it is.

Available can be used today. **Demo** works and can be shown, but is not yet offered for use. **In development** is being built.

Runs in

What	Status
A current desktop browser: Chrome or Edge. No plug-in, no app, no headset.	AVAILABLE
Safari and Firefox (desktop).	IN DEVELOPMENT being tested
iPad and Android tablets.	IN DEVELOPMENT being tested
Graphics: WebGL 2, which every current browser supports. WebGPU is used where available.	AVAILABLE
Loads in steps: you can start walking after a few seconds while the rest of the citadel streams in.	AVAILABLE
Download on the first visit: about 60 MB for Mycenae. The browser keeps it for the next visit.	AVAILABLE
Picks an image quality for the device and lowers it when the frame rate drops.	AVAILABLE

What	Status
Measured: 60 frames per second on a recent laptop (Apple M1 Max, Chrome, 1280 × 720).	AVAILABLE
Measured on a computer with weak integrated graphics (AMD Radeon, 2 compute units): the walk-through picks its lowest quality level by itself and runs at 45 to 55 frames per second; the first image appears about 7 seconds after the download.	AVAILABLE
Typical school laptops (Intel Iris Xe graphics).	IN DEVELOPMENT not measured yet

Moving around

What	Status
Keyboard and mouse: walk, run, look around, fly over the site.	AVAILABLE
Touch: a joystick on the left, drag on the right to look around.	DEMO tested in an emulated touch browser, not yet on a museum touchscreen
Overview map with numbered places: tap one to go there.	AVAILABLE
Object index: every object with its evidence class and source, as a text list.	AVAILABLE
Guided tour: an optional route along the places, with a short text per stop. You can leave it at any stop.	AVAILABLE

In the gallery

What	Status
Kiosk mode: the guided tour plays on its own until a visitor touches the screen; after a set time without use it returns to the tour. Nothing on the screen leads away from the reconstruction.	DEMO not yet tested on kiosk hardware
Offline package that runs on a gallery computer without internet.	DEMO Windows, ready to try; not yet installed in a museum
Runs as static files on your own server.	IN DEVELOPMENT works on huneform.com; not yet installed elsewhere

Languages

What	Status
English and Dutch: interface and place texts.	AVAILABLE
Other languages.	On request, with a translator

Evidence

What	Status
Per object: documented, reconstructed or hypothetical, with the source.	AVAILABLE
Per building: whether its position has been checked against an excavation plan and an aerial photograph.	AVAILABLE Tiryns IN DEVELOPMENT Mycenae

What	Status
Every published version carries a release number, so you know which version you show.	AVAILABLE

Data and privacy

What	Status
No requests to other companies: no analytics, no fonts or scripts from elsewhere.	AVAILABLE
No cookies, no accounts, no personal data.	AVAILABLE
The browser remembers which places a visitor has seen, on that device only.	AVAILABLE

Accessibility

What	Status
Everything in the overview and the index can be read as text.	AVAILABLE
Moving without a mouse, with the keyboard only.	AVAILABLE
Animations stop when the device asks for reduced motion.	AVAILABLE kiosk prompt IN DEVELOPMENT camera flights
Audit against WCAG 2.1 AA.	IN DEVELOPMENT

Output formats from the same reconstruction

What	Status
Real-time walk-through in the browser.	DEMO public version for Mycenae at launch
Stills, 3840 × 2160 pixels.	AVAILABLE Mycenae
Object renders.	AVAILABLE gold from Grave Circle A
4K film sequences at 25 frames per second.	IN DEVELOPMENT

Prices, delivery times and licence forms are agreed per project. See ways to work with us.

Tenders and technical questions

Need more detail for a tender?

Tell us what your tender or gallery needs. We answer with what exists today and what is still being built.



Your message comes straight to me. **Guiseppe Weijermars**, founder

Or write to hello@huneform.com

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