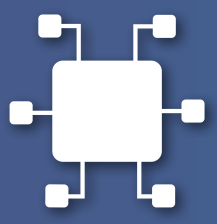


Immersive Accessibility



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 761974.

Key Features



Individual tools for the production, editing, management, preparation, delivery and consumption of immersive and accessible content

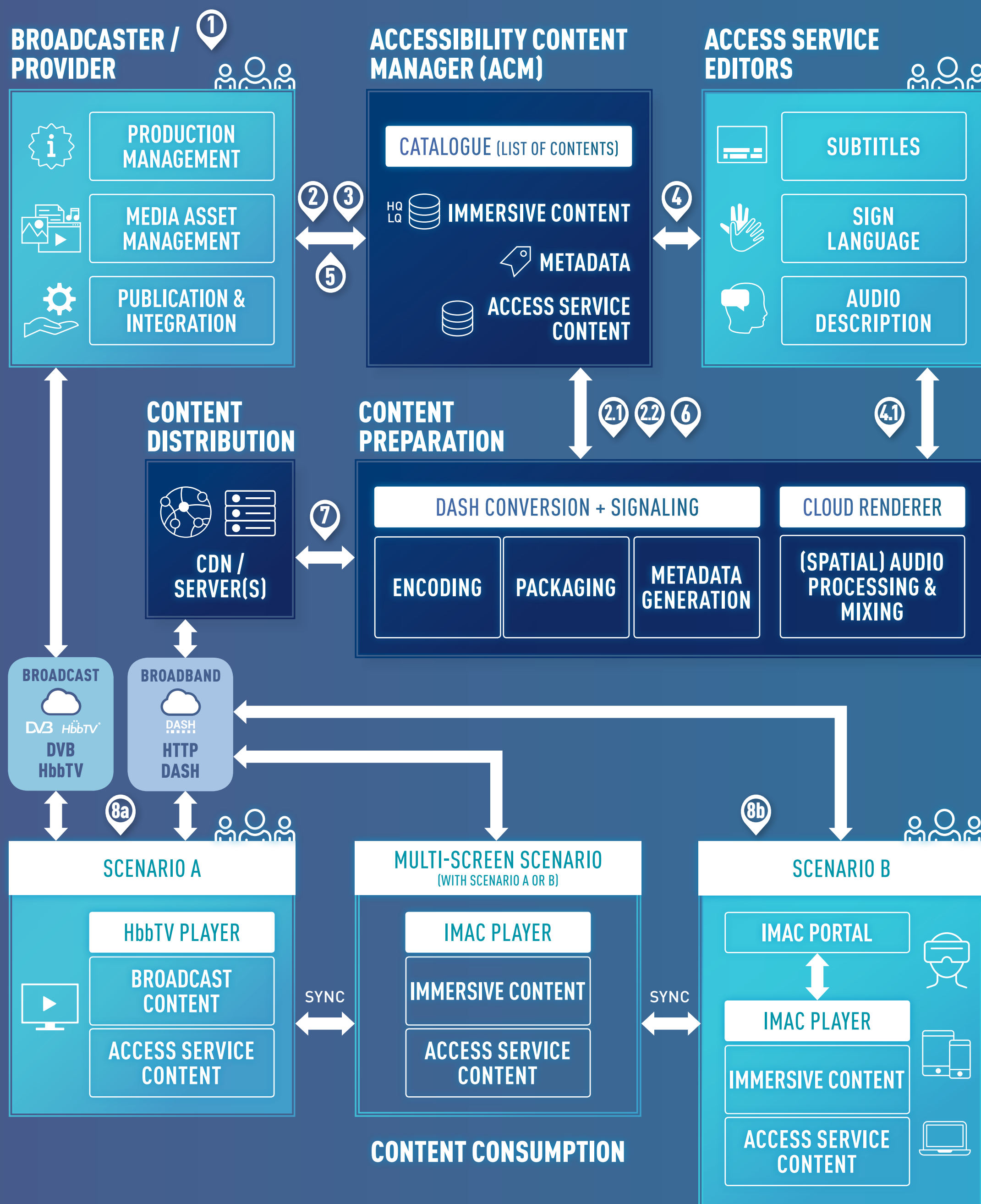


Standards-compliant extensions to current technologies and formats



Backward compatible extensions to current resources and practices within the broadcast sector

Architecture + Workflow



WORKFLOW STEPS FROM MEDIA INGEST AND AUTHORIZING TO CONSUMPTION

- 1 Immersive content is produced / imported.
- 2 Content Ingest: The broadcaster uploads a high quality 360° video to the ACM.
- 2.1 A low quality version of the 360° video is generated, to be used by the editors.
- 2.2 A thumbnail and cover of the 360° video are automatically generated.
- 3 The broadcaster initiates the production of access service content.
- 4 The professional editors create the access service content.
- 4.1 Spatial audio is processed, and multiplexed if necessary, by the Cloud Renderer.
- 5 The broadcaster validates the created access service content.
- 6 Content is prepared for distribution.
- 7 Content is published to the distribution channels.
- 8 Content consumption via the ImAc player.
- 8.a The TV broadcast program is augmented with IP-delivered content presented on companion screens.
- 8.b Content is selected via the ImAc portal (website), with the option of linking companion screens.

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www.imac-project.eu



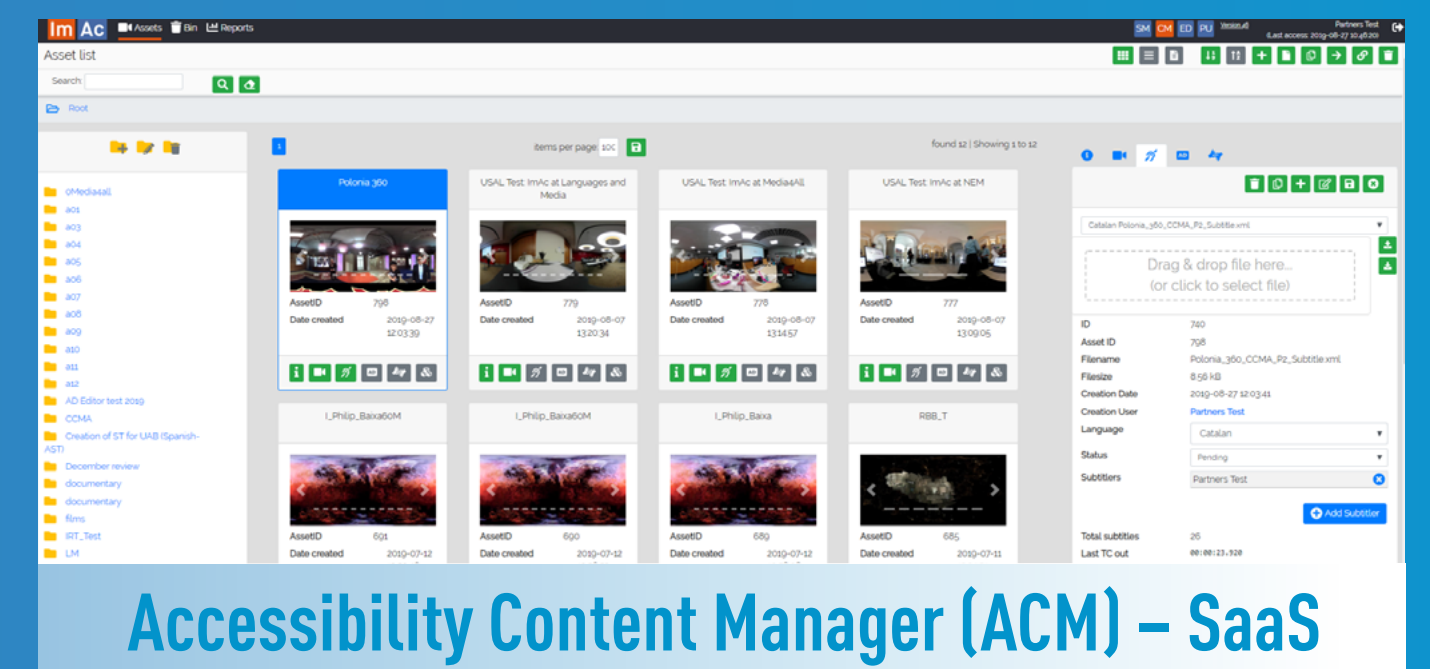
@ImAcProject



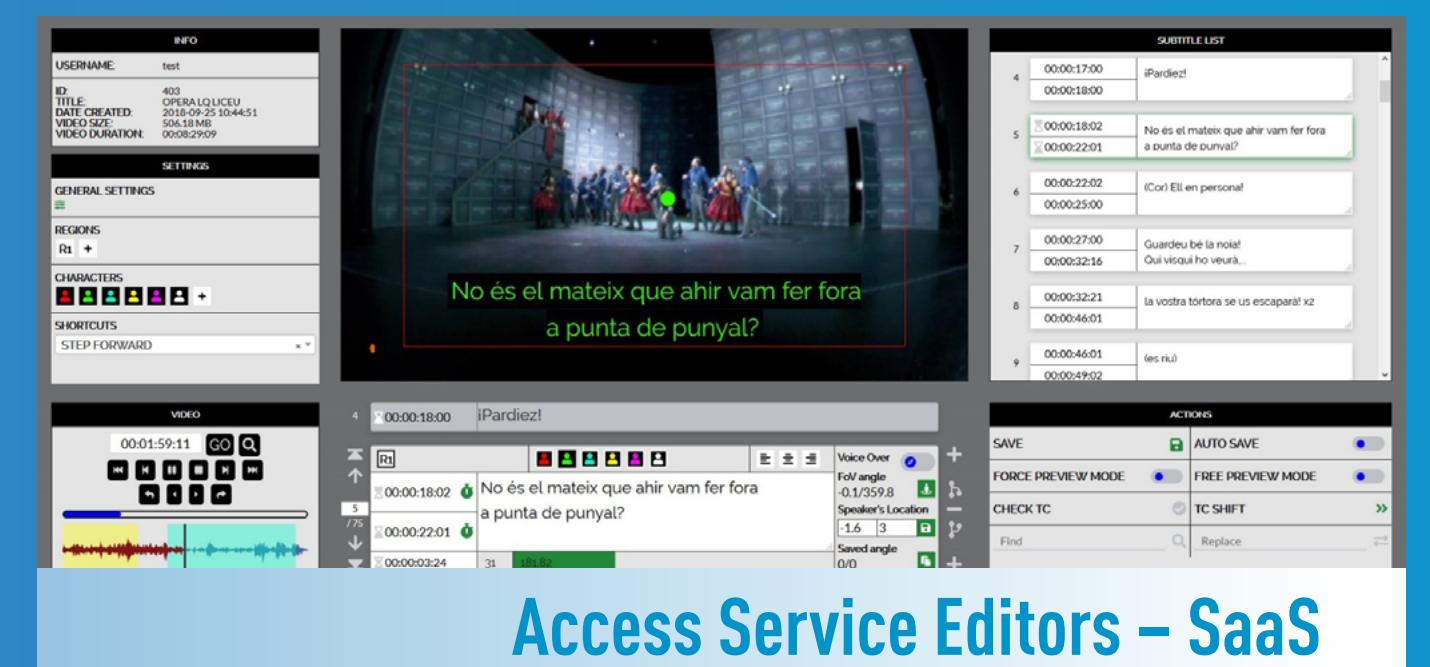
ImAc Project

E2E Platform

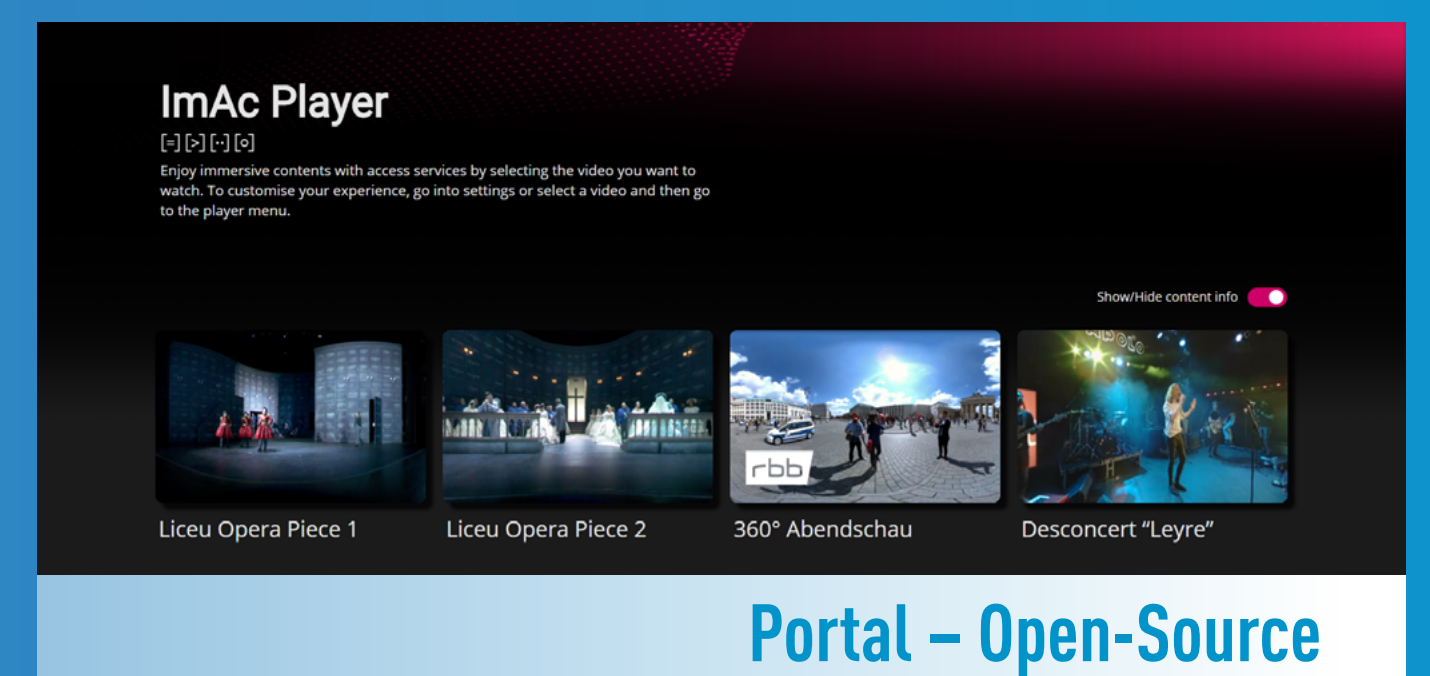
ImAc has developed an **end-to-end (E2E) platform** that augments broadcast services with **accessible immersive content** delivered via broadband, allowing for **rich interaction** and **hyper-personalisation**.



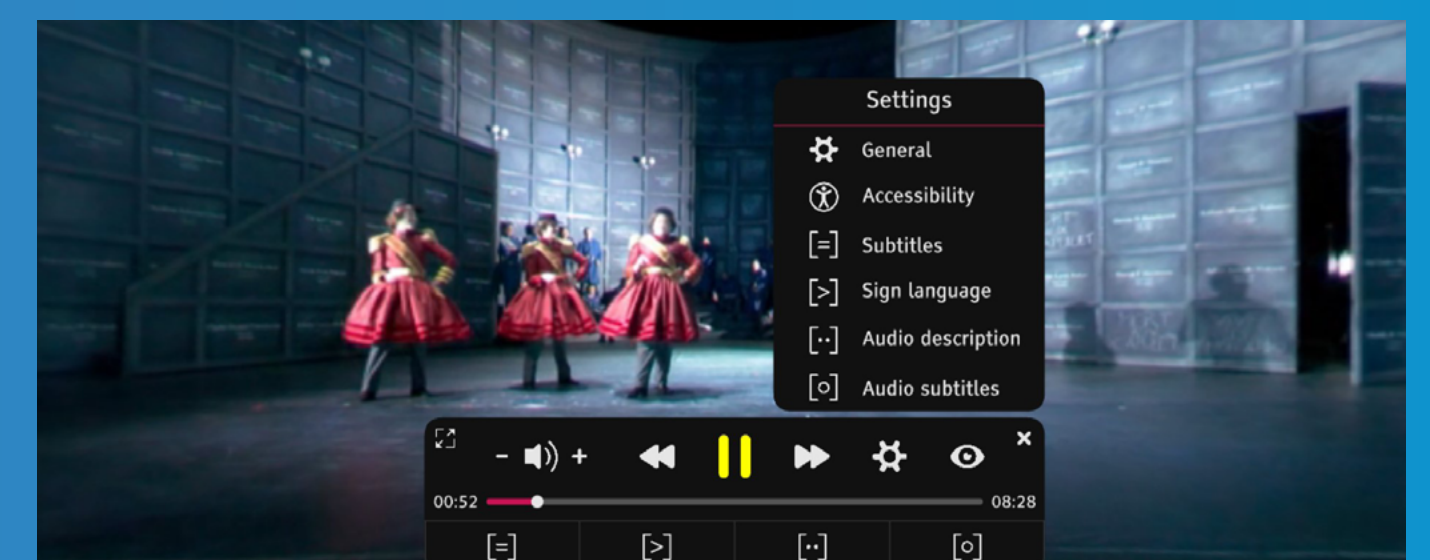
Accessibility Content Manager (ACM) – SaaS



Access Service Editors – SaaS



Portal – Open-Source



VR360 Player – Open-Source

PLAYER

imac.i2cat.net/player/

Open-source code: github.com/ua-i2cat/ImAc

VIDEO

Scan the QR code to watch a video showing the features of the ImAc player.

