Digital Pathology offer

O3 Enterprise

ABOUT
O3 ENTERPRISE

O3 Enterprise was founded in **2008** in **Trieste**, northern Italy, as a **spin-off** of the local University.

The company specializes in developing **medical imaging** software, currently marketed under the **ZEEROmed** brand.

In **2022**, O3 Enterprise joined the **Zucchetti group**, and now operates in synergy with their Healthcare Business Unit.

ISO 13485 CE FDA ANVISA

TECHNOLOGICAL ADVANTAGES

Zero footprint AI broker

Web-based Hub-Spoke

Cloud Native Versatility

COSTS OPTIMIZATION

STRONG STAKEHOLDERS COLLABORATION

STREAMLINED CARE PATHWAYS

ENHANCED WORKFLOW EFFICIENCY

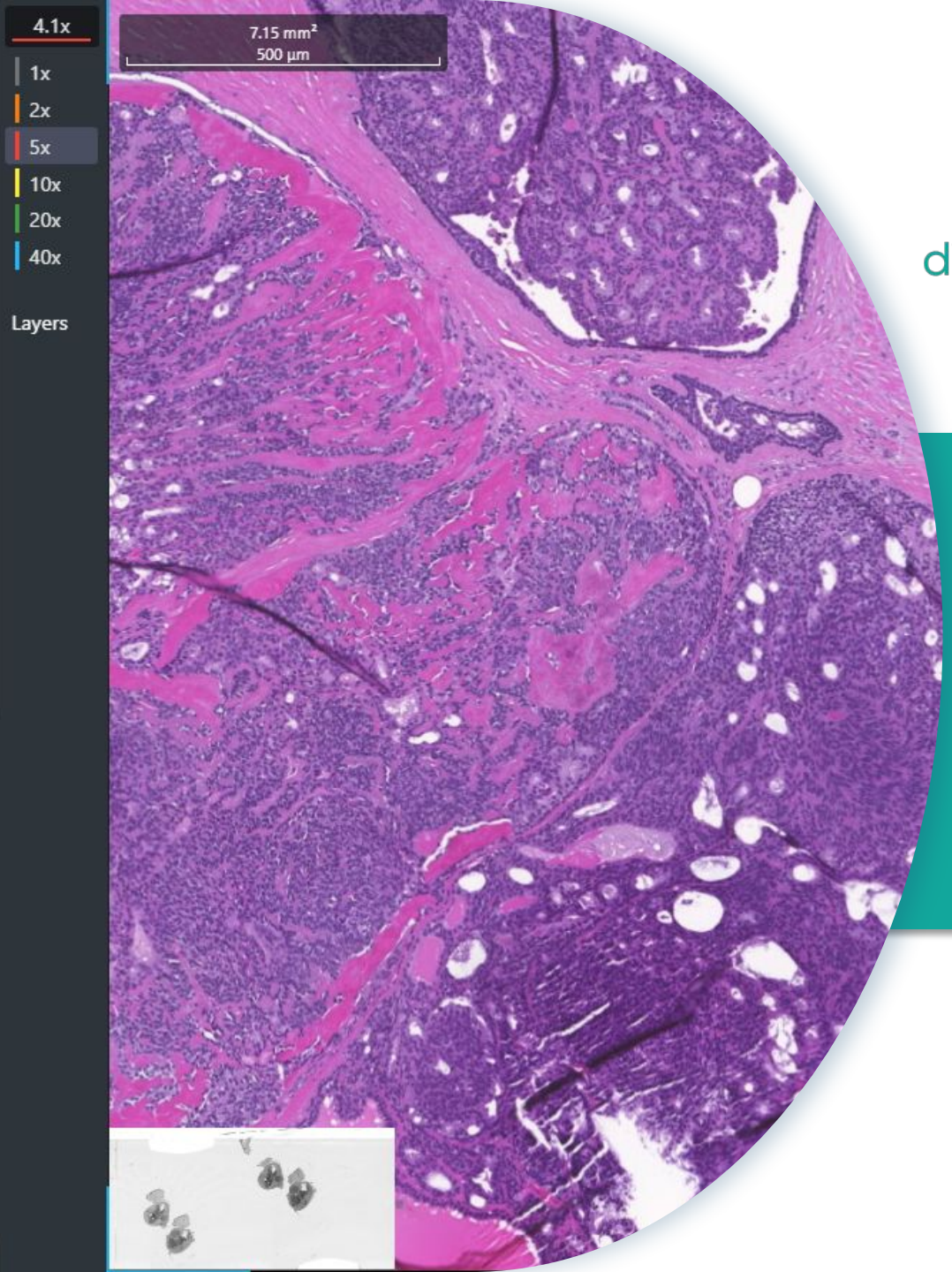
WHERE WE ARE

More than
220 installations
supporting the daily routine of
115 clients
around the world

ZEEROmed SCENARIOS

ZEEROmed applications support a wide range of imaging scenarios, including:

- ➔ **RADIOLOGY**
- ➔ **ENTERPRISE IMAGING**
- ➔ **DIGITAL PATHOLOGY**
- ➔ **MAMMOGRAPHY SCREENING**



ZEEROmed

ZEEROmed digital pathology

The modern management of digital slides

The **ZEEROmed Enterprise Pathology Platform (IMS)** empowers anatomic pathology laboratories through their digital transition. This technology enables intelligent storage and visualization of digital slides, independently from scanner types or file formats.

ZEEROmed IMS seamlessly integrates with third-party Laboratory Information Systems (LIS) or can functions as a stand alone application, providing a comprehensive end-to-end pathology workflow.

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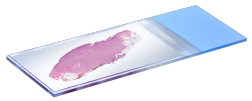
KEY BENEFITS OF ZEEROmed IMS

- Enables work with digital slides from **various scanners** and **file formats**
- Enhances **diagnostic precision** through dedicated tools and patient timelines
- Provides a **comprehensive overview** of patient imaging history, **in a multidisciplinary environment**
- Offers a web-based, zero-footprint solution**:** access and report on slides **anytime**, **anywhere**, from **any device**.
- Facilitates the design of complex architectures, including **short, medium and long term archives**, ideal for **hub and spokes** models
- Supports the use of **different scanners** within the same environment, **normalizing data** for a unified reporting experience

SIMPLEST SCENARIO

ZEERO med digital pathology



Glass slide

Slide scanner

ZEERO med FEED

ZEERO med STORE

ZEERO med VIEW

Retrieves Metadata

Notify Slide Availability

Display case/slides

Metadata Owner System
(e.g. Laboratory Information System)

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MAIN MODULES

ZEEROmed VIEW: a web-based zero-footprint viewer. Its innovative **streaming technology** ensures optimal performance and maximum scalability. It provides high-quality rendering of digital slides and a comprehensive **enterprise viewing experience** for multidisciplinary collaboration.

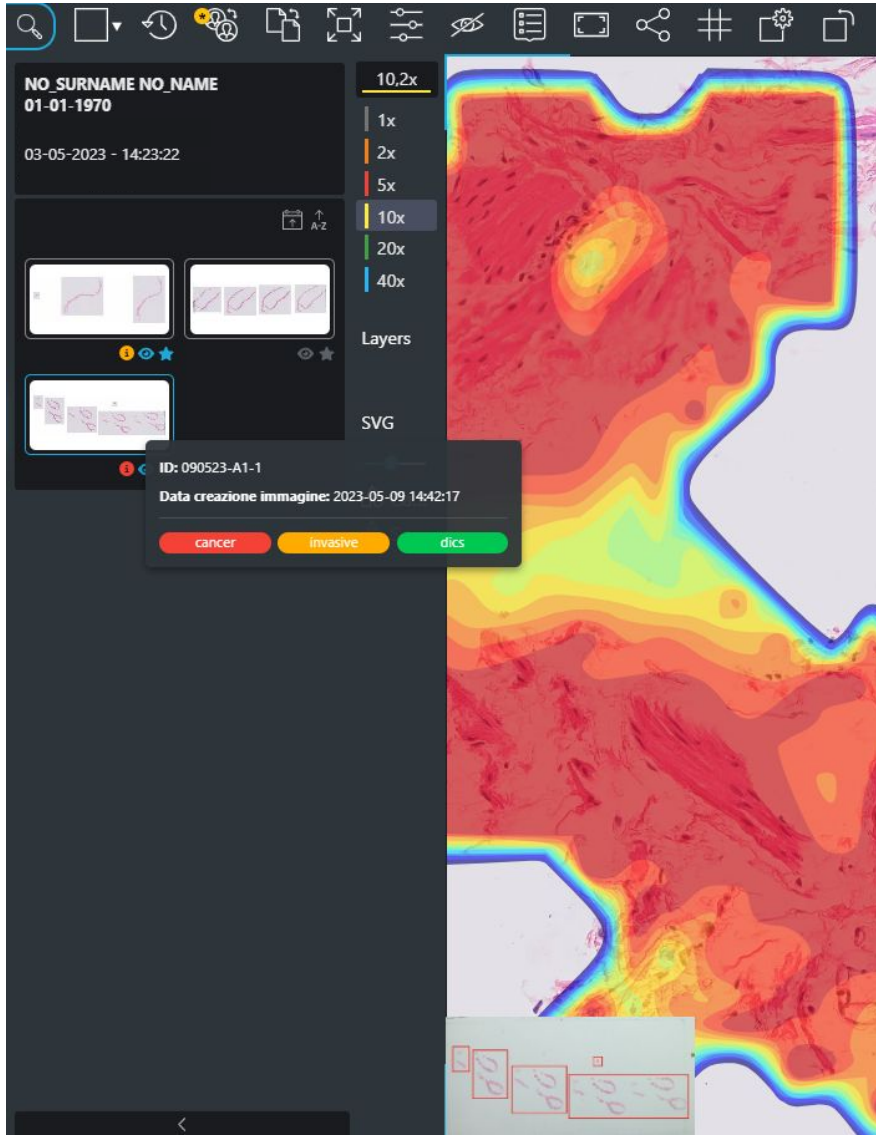
ZEEROmed STORE: a server application for **distributing, storing, and managing** DICOM and non-DICOM objects, including in multidisciplinary contexts. It adapts to **multi-site environments** and seamlessly integrates with third-party applications.

ZEEROmed FEED: a intelligent application for **integrating scanners** and **routing exams** between centers and archives, enabling the creation of **hub-and-spoke networks** and eliminating geographicals barriers. It handles diverse **integrations type** and data **tag morphing** to achieve data normalization

AI INTEGRATIONS

ZEEROmed IMS enhances the diagnostic process through the integration of third-party AI algorithms. It enables to:

- **Route** each case to the **appropriate AI algorithm** based on configurable rules
- Visualize **AI output** at a Virtual Tray level for a quick overview of the case and its results
- Apply **heat maps** and **overlays** on each slide with configurable opacity
- Open an **external AI viewer** for in-depth analysis
- Display **multiple AI layers** simultaneously



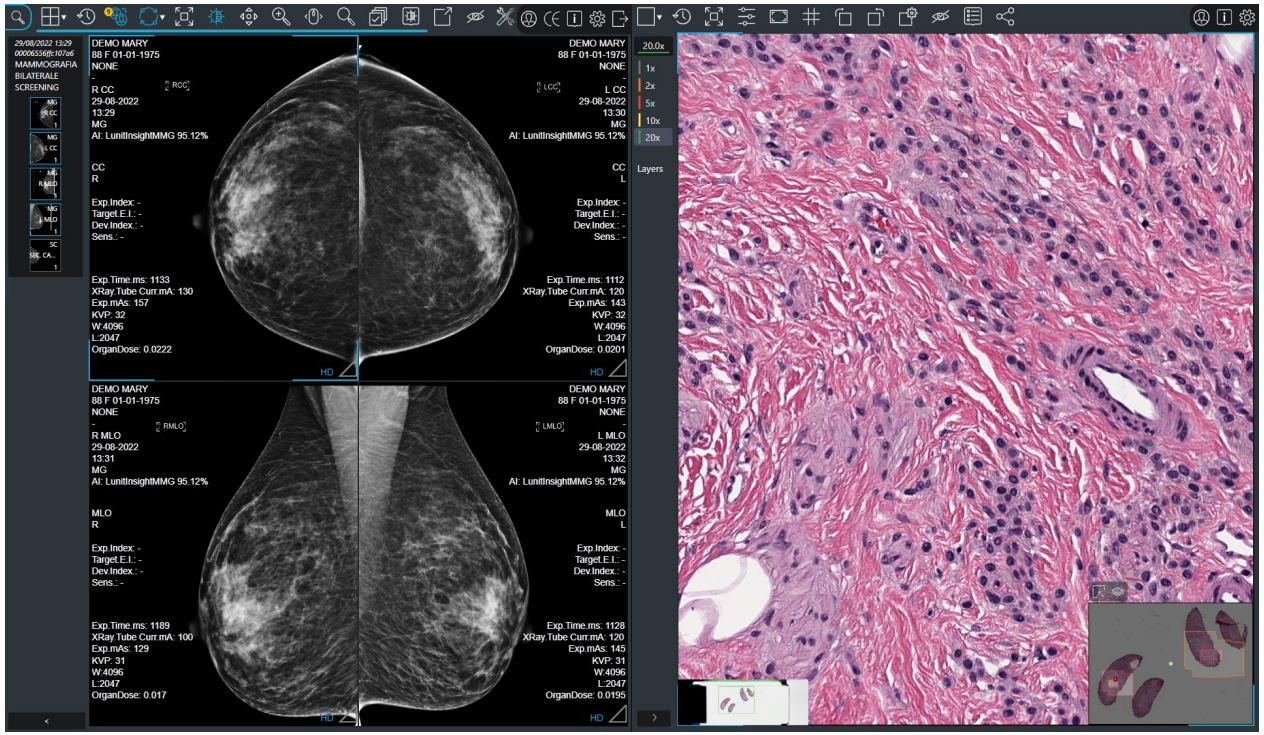
SCANNERS INTEGRATION

ZEEROmed IMS is **scanner-agnostic**. and handles file formats from **various slide scanners** including but not limited to:

- Leica Aperio SVS
- Hamamatsu NDPI
- 3D Histech MIRAX
- Philips TIFF
- Roche BIF
- DICOM

Furthermore, each pathology case can be enriched with **macro images** or **video clips** captured during the preparation process.

MULTI-SPECIALTY EXPERIENCE



ZEEROmed View crosses the boundaries of pathology department. It is an universal Viewer allowing cross-department access of images, for **multi-specialty exam experience.**

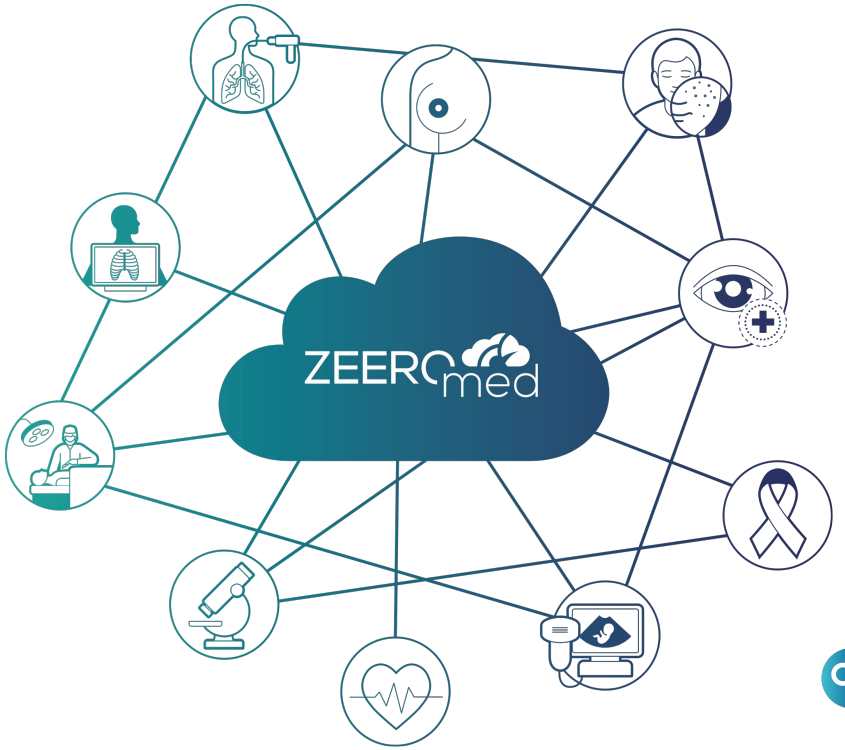
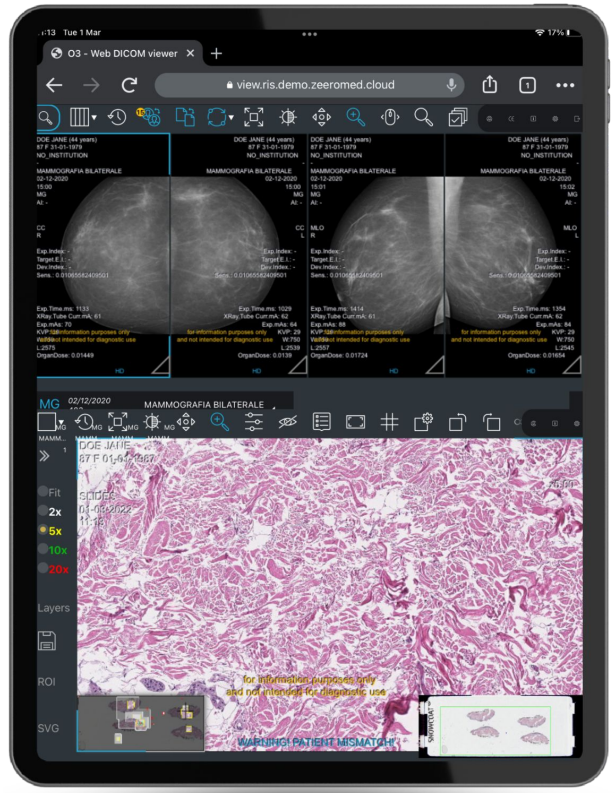


IMAGE SHARING CAPABILITES

ZEEROmed IMS simplifies the **sharing of exams and images**, for various purposes including consultation, training, supervision, collaboration or for a second opinions.
It offers two distinct sharing tools, both accessible regardless the device used:

Synchronous Sharing: enables two or more physicians to collaborate in **real time** on the **same session**, eliminating physical barriers and **enhancing the reporting process**. This tool facilitates training and education scenarios.

Asynchronous Sharing: allows physicians to request **second opinions or consultations** from remote colleagues, with the option to mask patient data as needed.



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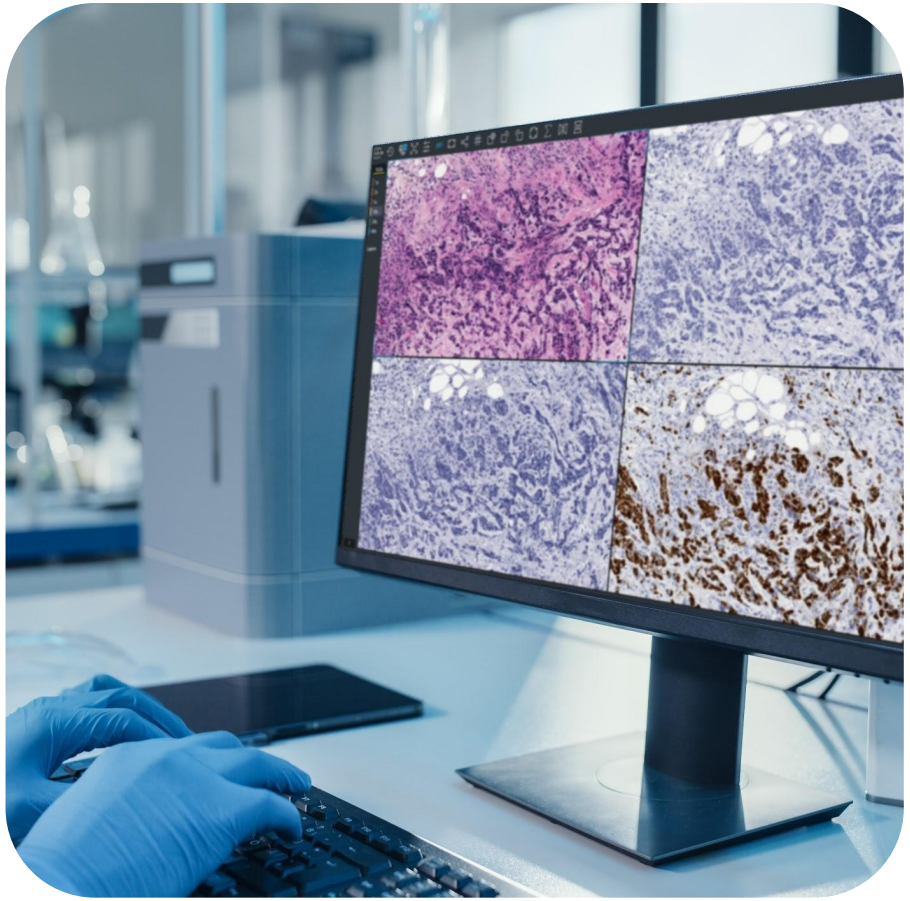
DIGITAL PATHOLOGY
REFERENCES



- **Lombardy region (IT):** 31 hospitals interconnected in a full cloud infrastructure. Integration with Tesi Group LIS. Ongoing project
- **Veneto region (IT)**: 12 hospitals inter connected in a full cloud infrastructure. Integration with Tesi Group LIS. Live Project
- **Friuli Venezia-Giulia region (IT):** 5 hospitals interconnected with on-prem installation. Integration with Tesi Group LIS. Ongoing project.
- **Sardinia region (IT)** : 5 hospitals interconnected. Future project
- **Campus Biomedico Hospital - Roma (IT)**: 1 site with on-prem installation. Integration with Dedalus LIS. Live project
- **Luz Saúde laboratories - Lisboa (PT)**. 3 sites connected. Integration with Dedalus LIS. On going project.
- **Pineta Grande Hospital - Caserta (IT)**. Single site integration with Engineering LIS. Live project.