



Elettra Sincrotrone Trieste



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Sincrotrone
Trieste

Management System and certifications at Elettra



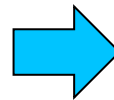
ESS @ Elettra Meeting, Trieste - Basovizza

Nicoletta Guidi, Roberto Pugliese - October 15th 2019

- ✓ Since 2009 Elettra Sincrotrone Trieste has run projects to implement and improve the Management System.
 - 2009, following the Italian Legislative Decree n. 81/2008, concerning the protection of health and safety in the workplace, Elettra did an assessment to achieve the safety organizational standard BS OHSAS 18001.
 - 2012, the SGS project started with the purpose to extend the Management System to the whole organizational and the following workpackages: “strategic and operative control”, “skills management”, “Quality procedures”, “information technologies systems”.
 - Since 2013 further workpackages have been added to the project: “communication and dissemination”, “privacy and data protection”, “records digital transition” (Italian Legislative Decree n. 82/2005 «Digital administration code»), “organizational and administrative accountability”, “learning services and education training”.
 - The project involves about thirty people corresponding to 4 FTE per year.

ISO 9001 certification

On January **2015** Elettra had been awarded by DNV-GL the ISO 9001:2008 certification for the quality management system. The certification application field was limited to **the XRD1 beamline** (an experimental station using X ray-diffraction for the analysis of materials) and the supporting organizational management activities requested from the ISO 9001 (e.g. People, Competence, Infrastructure, Communication, Documented information, ecc.) as well as the activities undertaken by the **Industrial Liaison Office**.

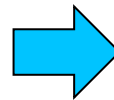


Provision of scientific services to Italian, European and International research groups at to Industries, based on development and operation of light source (Synchrotron and Free Electron Laser) limited to XRD1 Beamline and Industrial Liaison Office (Sector EA 34, 35 e 19)



BS OHSAS 18001 certification

Quality, moreover, had been complemented by a Health and Safety guarantee covering all the operations at Elettra, with specific reference to experimental stations and laboratories. For this purpose Elettra decided to undertake an additional certification process with DNV-GL. This process has been successfully completed, obtaining the BS OHSAS (Occupational Health and Safety Assessment Series) 18001:2007 standard certification on April **2015**. **The application field included whole the facility.**



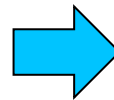
Provision of scientific services to groups of Italian and International research based on development and use of light produced by Synchrotron light source and FEL - Free Electroton Laser (Sector EA 34, 35 e 19)



The update of ISO 9001 certification

In 2017 Elettra moved to ISO 9001:2015.

- Adopting an HLS - High Level Structure;
- Strengthen the process approach through risk-based thinking;
- Clearly defining the boundaries of the Quality Management System (QMS);
- Identifying the organizational differences to be rectified to adopt the new requirements;
- Implement a transition plan;
- Providing training for people who have an actual impact on the organization;
- Updating the Quality Management System (QMS) and verifying its effectiveness (audit) possibly in collaboration with the Certification Body, DNV - GL.



After updating the system to the version 9001:2015 of the norm, the scope was progressively extended to include the whole research

center: *Provision of scientific services, including the provision of advance training, to Italian, European and International research groups based on development and use of light produced by light source (Synchrotron and FEL - Free Electron Laser Sector EA 34, 35 e 19)*



The update of BS OHSAS 18001 certification

One of the objective of the running Management System project is to move on the new standard ISO 45001 in 2020 (achievement certification at march 2020)

Provision of scientific services to groups of Italian and International research based on development and use of light produced by Synchrotron light source and FEL - Free Elecron Laser (Sector EA 34, 35 e 19)



The ISO 29990 certification

In May **2018** Elettra has been awarded the ISO 29990:2011 certification for the “Learning services and non-formal education training”.

This was the result of a huge effort in managing and monitoring the company processes carried on in the past years and the continuous improvement of the services offered by Elettra to scientific researchers and customers.

Provision of scientific services, including the provision of advance training, to Italian, European and International research groups based on development and use of light produced by light source (Synchrotron and FEL - Free Electron Laser Sector EA 34, 35 e 19)

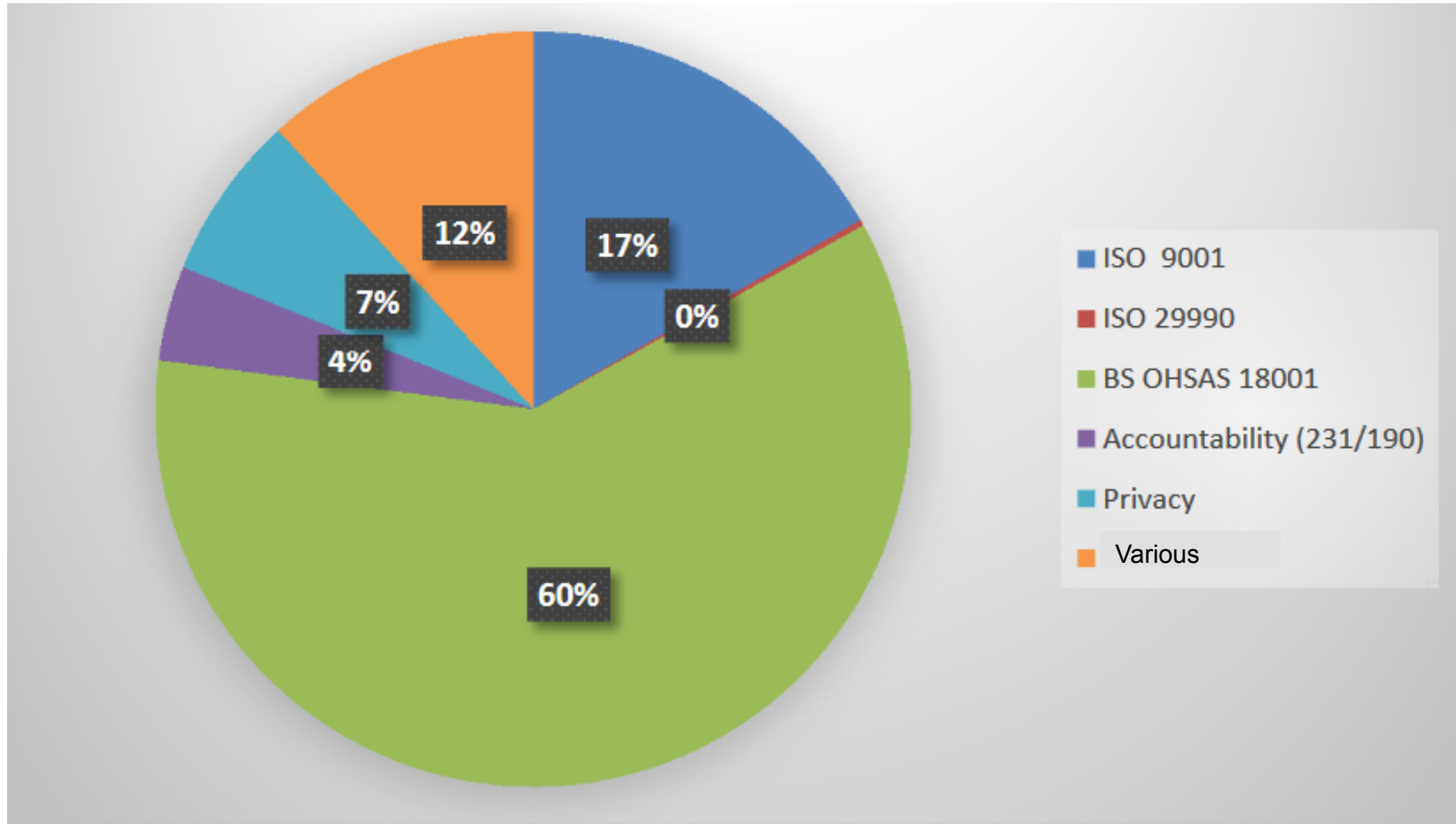


Elettra is currently the only synchrotron lightsource facility worldwide, awarded with both ISO 9001, ISO 29900 and BS OHSAS 18001 certifications

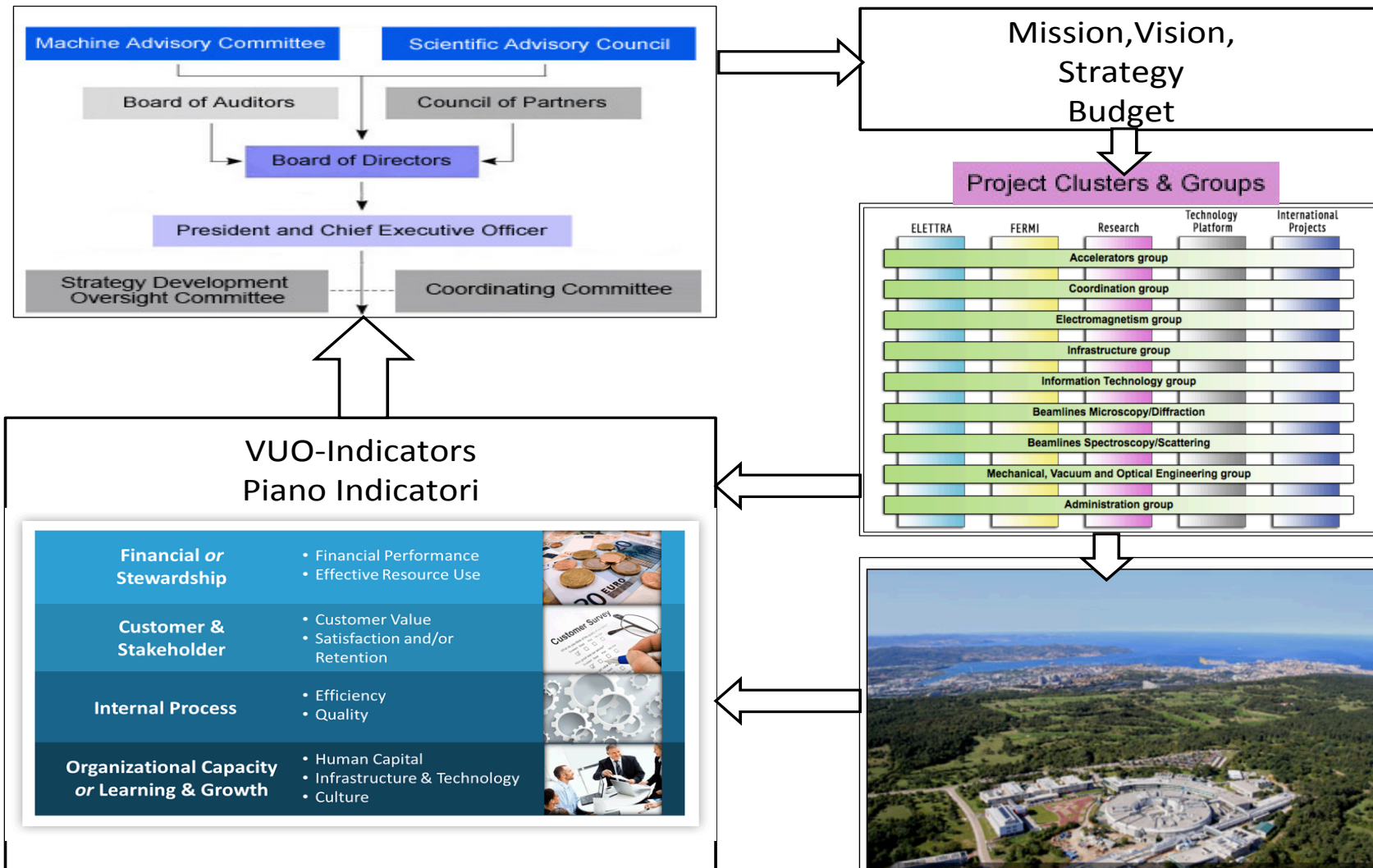




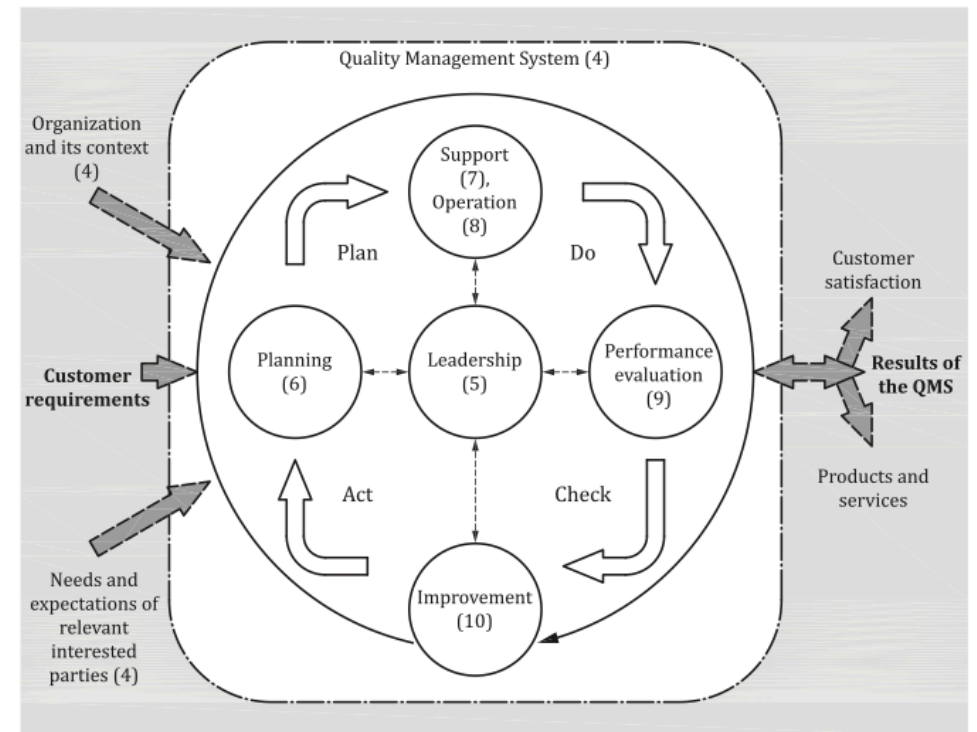
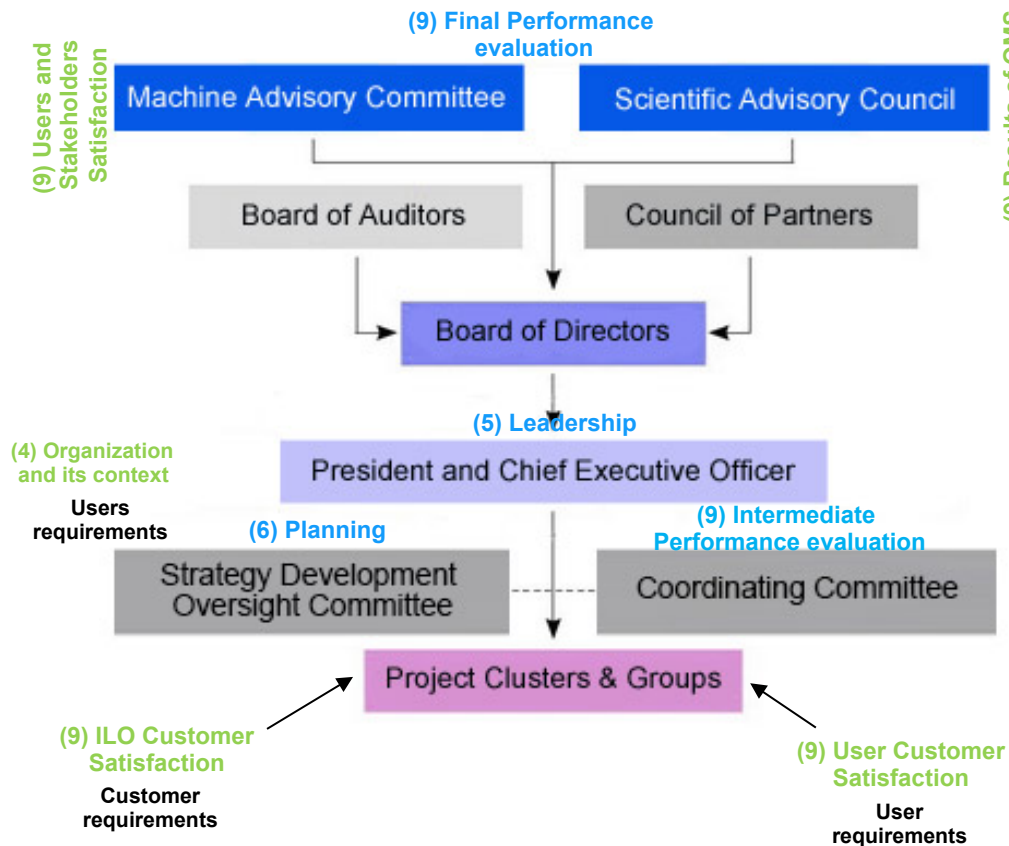
Elettra Management System fields and procedures



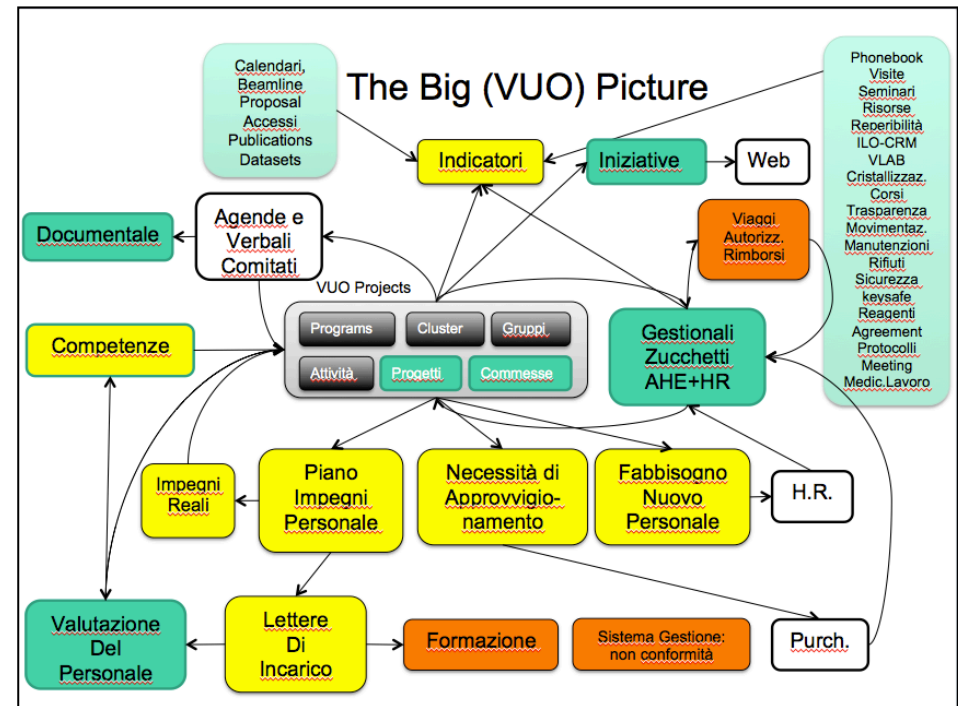
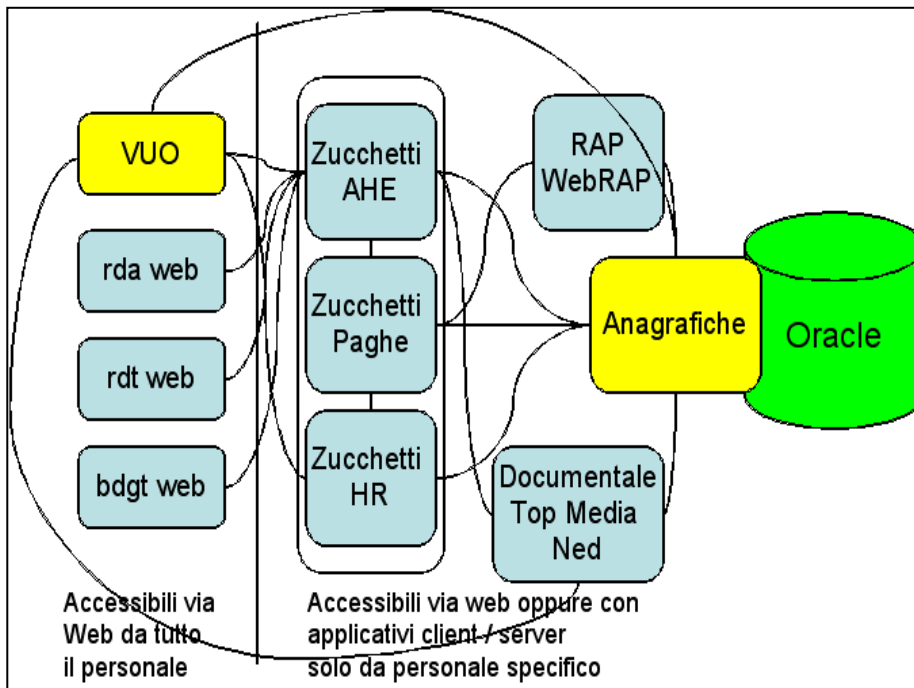
Elettra Quality Management System



In particular



Technology infrastructure support





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Thank you!





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