









On the remote operation of a Transmission Electron Microscope

PROJECT AIMS

TECHNICAL GOALS

Allow full control of a transmission electron microscope by a remote user connected by internet in order to:

- > set up collaboratory research
- provide microscope time to trained users in ENEA and in research institutions
- > training new microscope operators by e-learning
- > classroom teaching

IN THIS WAY IT WILL BE POSSIBLE

- ➤ to share the TEM (Transmission Electron Microscope) with other groups setting up scientific cooperations
- > to optimize the capital investment and share a fraction of the running costs

FROM THE OPERATIVE POINT OF VIEW

- ➤ integration of the transmission electron microscope as a node of the ENEA-GRID
- > use of state of the art software tools for the fast transfer of data and images
- > experimental testing to adapt the configuration to the available bandwidth



