

## EYES ON THE SKY

### Spurring technological development

ESO pushes the frontiers of technology to enable astronomers to make great strides in advancing our knowledge of the Universe.

Without active and adaptive optics, as well as other game-changing technologies developed at ESO in collaboration with industry, advanced telescopes such as ESO's Very Large Telescope (VLT) and Extremely Large Telescope (ELT) would not be possible.

We continue to explore technologies that could bring innovative solutions, increase efficiency, or reduce costs. Amongst current interests are augmented-reality applications and laser innovations.

Technologies developed at ESO have an impact beyond our mission. They have found applications in optics, intercontinental data transfer, medicine, and imaging, sensor and detector technology.

The complex and technically challenging ELT project is spurring developments across the board, from seismic isolation of large structures to gas-cooling systems and ever more complex algorithms.

## FEET ON THE GROUND



60  
years