

# Script for ESOCast Light 143: ELT Testing in a Wind Tunnel

<b>ESOCast Light 143: ELT Testing in a Wind Tunnel</b>	
<b>[Visual starts]</b>  <b>New ESOCast intro</b>	New ESOCast introduction Incl ESO logo
<b>Title: ELT Testing in a Wind Tunnel</b>	
<b>1. ESO's Extremely Large Telescope (ELT) dome will stand almost 80 metres high and be exposed to strong winds atop its future home on Cerro Armazones.</b>	
<b>2. These conditions present an engineering challenge, making wind tunnel tests vital.</b>	
<b>3. A model of the ELT is now under testing in the wind tunnel at the Polytechnic University of Milan in Italy.</b>	
<b>4. The tests will make sure the telescope will be ready to sustain the winds of Cerro Armazones.</b>	
<b>5. Engineers equip the model with sensors to learn how wind affects the telescope and measure the structural loads acting on the gigantic ELT dome.</b>	
<b>6. The results will help designers optimise the dome to guarantee its safe and long-term operation.</b>	
<b>00:00</b>	<i>Produced by ESO, the European Southern</i>

**[Outro]**

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