

ESO Portuguese Traineeship opportunities 2013

3. Mechanical & Cryogenic Department	Directorate of Engineering
Job code	ESO-DE(3)
Supervisor	Mr Jean Louis Lizon
Education, knowledge and skills requirements	Mechanical engineering with if possible some knowledge in thermo-dynamic
Project information	Development of the E-ELT cryogenic infrastructure. The work includes the technology development and verification for achieving various temperatures for Infrared instruments. The testing and characterization of specific heat exchangers including LN2 fluid sub-cooler device to reach 65 K.
Learning opportunities for the Trainee	Cryogenic technology, design and optimization of heat exchanger. Cryogenic testing including accurate measuring of low temperature. Design of small cryogenic installations.