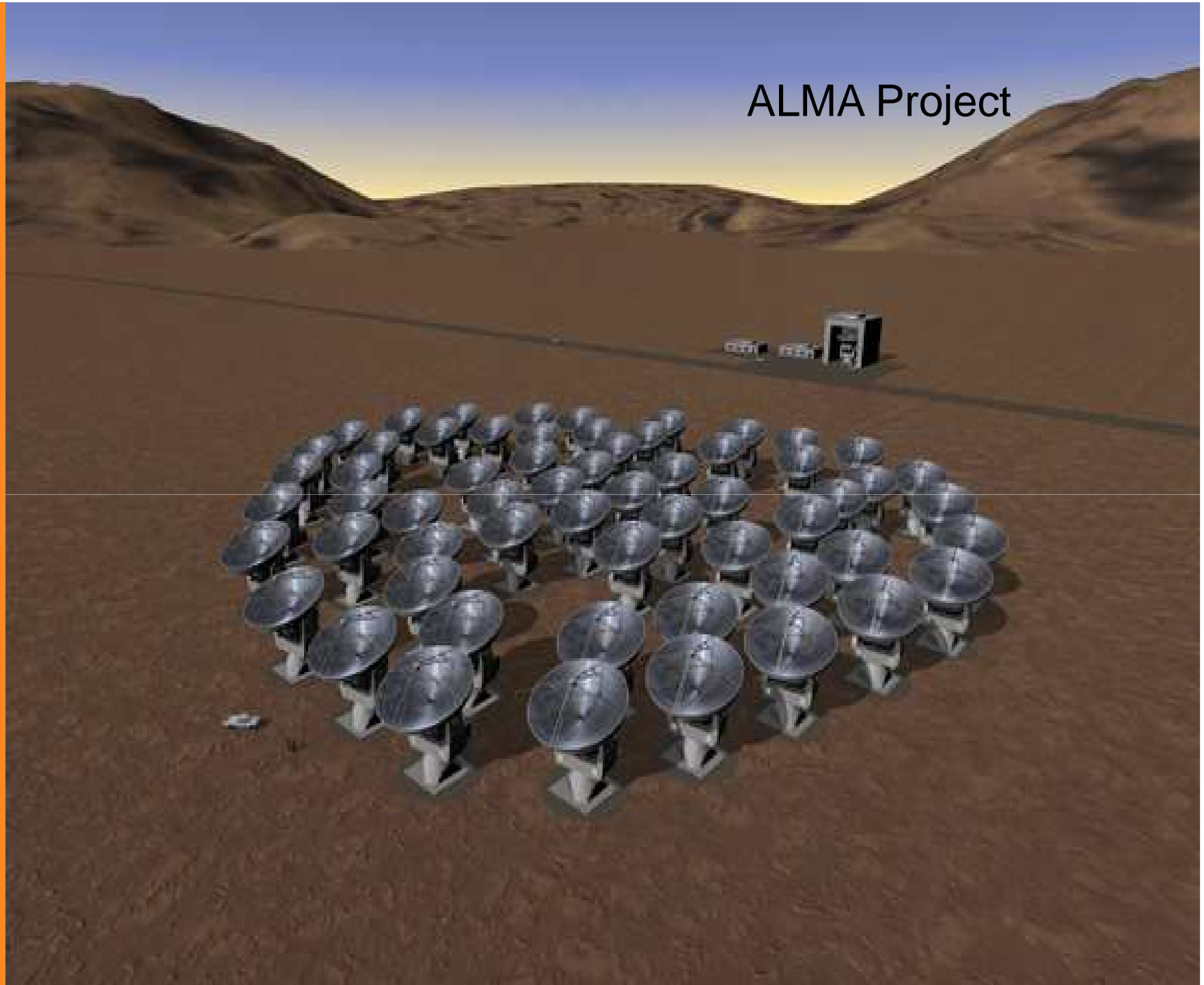


The image features a background of several optical fiber cables with their ends exposed, showing a fan of fine fibers. The cables are set against a warm, golden-yellow gradient background. The word "OPTRAL" is prominently displayed in the center in a bold, white, italicized sans-serif font. The overall aesthetic is clean and modern, emphasizing the technology of optical communication.

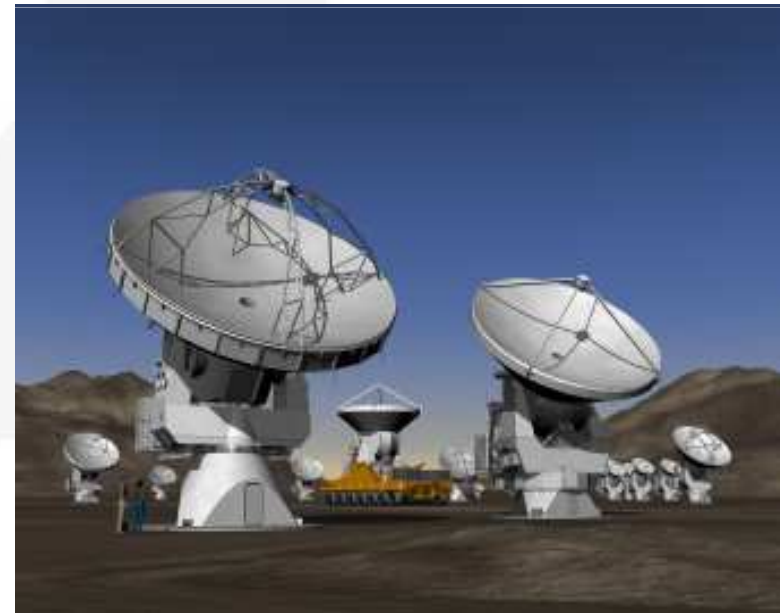
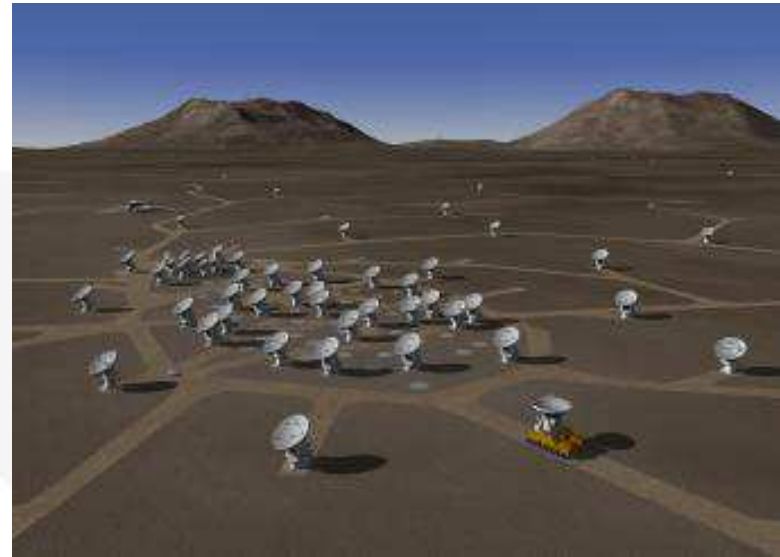
OPTRAL

ALMA Project

OPTRAL



The European Austral Observatory is an enormous telescope with which astrophysicists from all over the world will study the chemical and physical conditions of the dense gas and dust where new stars are born, as well as remains of radiation from the Big Bang. It is located 5.000m above sea level in the Atacama desert, in northern Chile, one of the coldest and driest places in Earth. The project is composed of 66 antennas which, acting simultaneously, make up the most powerful radio-telescope in the world.



This project, called ALMA, the result of collaboration between EU, Japan and USA. After analyzing technical project from manufacturers from all over the world, the consortium has trusted us with the construction of fiber optic cables.

The construction ended in 2012, but the first scientific observations began in 2011.

