ILC (International Linear Collider) is the internationally proposed project to measure the nature of Higgs particles precisely and to explore new particle by electron-positron collision experiment at 250GeV energy. The accelerator consists of electron gun, positron generator, two 5GeV injectors and damping rings, two 120GeV superconducting linear accelerators, and two final focus beam lines. The high performance superconducting acceleration cavities operated at 2K cryogenic temperature are used in the linear accelerators to give high luminosity to the experiment. The lecture introduce this accelerator scheme, functions and performance together with advanced technologies used there, and also current situation of the project proposal is reported.