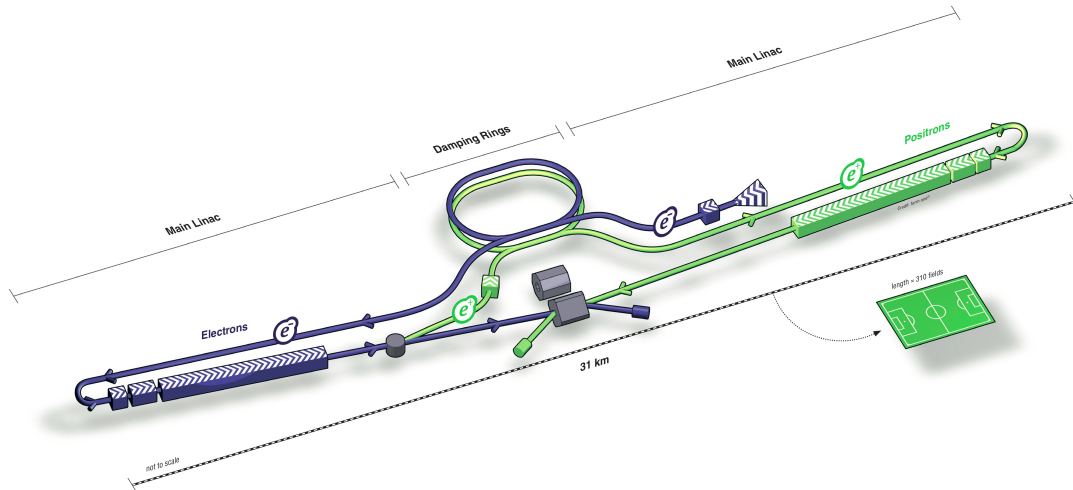


# Overview of the International Linear Collider

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## Abstract:

The International Linear Collider (ILC) is an electron-positron collider with a total length of around 20 km for a Higgs factory (a centre-of-mass energy of 250 GeV). Key technologies at ILC are superconducting RF (SRF) acceleration at main linacs and nano-beam technology at the interaction point (IP).

Prior to the actual construction, a four-year period of preparation (under ILC Pre-Lab, an international preparatory body) would be necessary. International development team (IDT) was established on August, 2020 and IDT has been working for the organization design of the ILC Pre-Lab. Based on international agreements, the Pre-Lab will start its operation and complete the necessary preparation to start the construction. The construction would take around 10 years and the experiments could be conducted for twenty years.