

18 Project schedule

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As far as the design of the machine is concerned, a considerable amount of work has already been done, which would be made available from the start. Therefore, once the requisite staff has been appointed, a detailed proposal could be submitted relatively quickly. The construction could be accelerated if, with the help of other laboratories, detailed drawings and other documents are prepared for the tendering process. The estimated time needed for the design period and the preparation of call-for-tender documents is roughly 1.5 years.

The production of the components of the machine and beam lines will take about three years: one year for the prototype or pre-series and two years for the series. The building containing the infrastructure (electricity, cooling, etc.) could be constructed in parallel and would take perhaps one year longer. The building could be built in stages to allow early installation of the 100 MeV pre-injector; this is also true of the 3 GeV booster synchrotron.

About one year would be needed for installation of the machine and beam lines. For the commissioning of the machine and the setting up of the beam lines, about six months are required. In conclusion (see Fig. 18.1), around six years in total would be required from approval of the project to production of the first light for synchrotron radiation experiments.



Fig. 18.1: Time schedule for the SEE-LS project