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## Main Page

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## The European X-Ray Free-Electron Laser Facility (XFEL) [edit]

A detailed description of the scientific importance, the design and the expected performance of the European X-Ray Free-Electron Laser (XFEL) is given in the [XFEL Technical Design Report](#).

The main components of the XFEL Facility are:

- The injector and bunch compressor
- The linear accelerator
- The beam distribution system
- The undulators
- The photon beams
- The experimental station



## Standard Electron Beam Diagnostics

### Beam Position Monitors [edit]

- BPM Portal

### Beam Size Measurements [edit]

- Beam Size Portal



## Operating [edit]

Discussions around operability and ergonomics

- BKR
- XFEL User Interface Style Guide

- Based on Media-Wiki (as used in Wikipedia) – maybe changed to a DESY internal solution if requirements are met in due time
- Set-up by Sabine Brinker, Bartosz Poljancewicz and Gerhard Grygiel on A small image of a red sports car, possibly a Ferrari, with its top down, parked on a grassy area.
- Includes help pages, first use manuals etc.
- Accessible from outside DESY (2 month trial)
- So far used by
  - BPM developers (MDI, PSI)
  - Operation Software Group
- Open to everybody within the FEL Beam Dynamics/ Operating field

\* “Wiki Wiki” is hawaiian for “very fast”

- Editing only possible if logged in with own account



- Will not substitute the document management system, i.e. the Wiki is **not the place to distribute and archive** design/construction specifications, drawings etc.
- But the Wiki should facilitate the collective effort to derive these specifications within distributed collaboration interactively
- Content within the Wiki comes with no guarantee (contrary to publications, technical notes etc.)
  - you can write what you want (it's a discussion/ interactive process)
  - double check before you order 10.000 magnets based on a number some jerk put into the Wiki