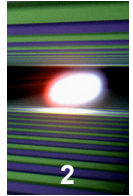


Update on the European XFEL Foundation

Massimo Altarelli

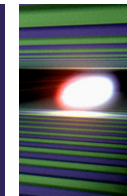
European XFEL Project Team Leader, c/o DESY

The main messages...



- Update on the foundation process
- The start of the civil engineering work
- The progress in the recruitment process

Important Milestones

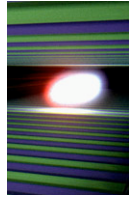


**Berlin 15.07.2006:
TDR delivered**



**June 5th 2007:
XFEL Starts!**

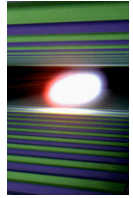




Preparations are underway for the foundation of a company with research institutes of the different countries as shareholders, the European XFEL GmbH. Construction and operation of the XFEL are entrusted to this company



Needed to Start the European XFEL GmbH



1. Convention between Governments

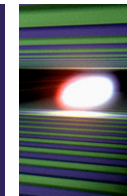
*with 6 Annexes, among which Annex 2, the **Articles of Association** (statutes, regulating how company works...)*

2. Final Act – *agreement to apply the Convention before it is ratified by Parliaments, Ministries, etc.*

Also other documents, such as:

- *Contracts between European XFEL and DESY (Host, Coordinator of Accel. Consortium, service provider...)*
- *In-kind contribution rules and template contracts*

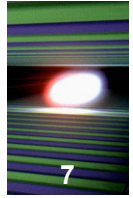
Important Milestones



Legal Documents Finalized Sept. 22, 2008 by the International Steering Committee!



What is happening now?



Before Convention can be signed, text must be translated into:

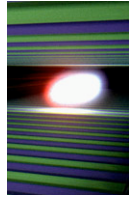
Chinese, French, German, Italian, Russian, Spanish and...all 7 texts must be declared equivalent by a "Translators' Conference"!

....After that a "Signature Ceremony" can be scheduled

As of today:...

- Official Chinese and Russian translations not yet delivered
- Final authorization from Russian cabinet pending

Consequences of this lengthy preparations

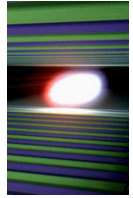


The delay in the start of the European XFEL GmbH is causing **very serious problems** in:

- ◆ The issue of orders and calls for tender;
- ◆ Finalization of recruitment procedures;
- ◆ Stipulation of In-kind Contribution contracts

making to define and keep a schedule for the project very difficult !!

How do we manage to survive?



We thank for financial support so far

BMBF and DESY



Bundesministerium
für Bildung
und Forschung



The European Commission

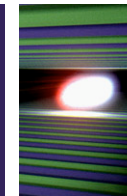


*The Slovakian, Swedish,
Spanish and UK contracting
parties*



...And the countries already supporting In-kind work in their labs!

Construction started Jan. 8, 2009!

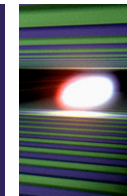


DESY Bahrenfeld Site

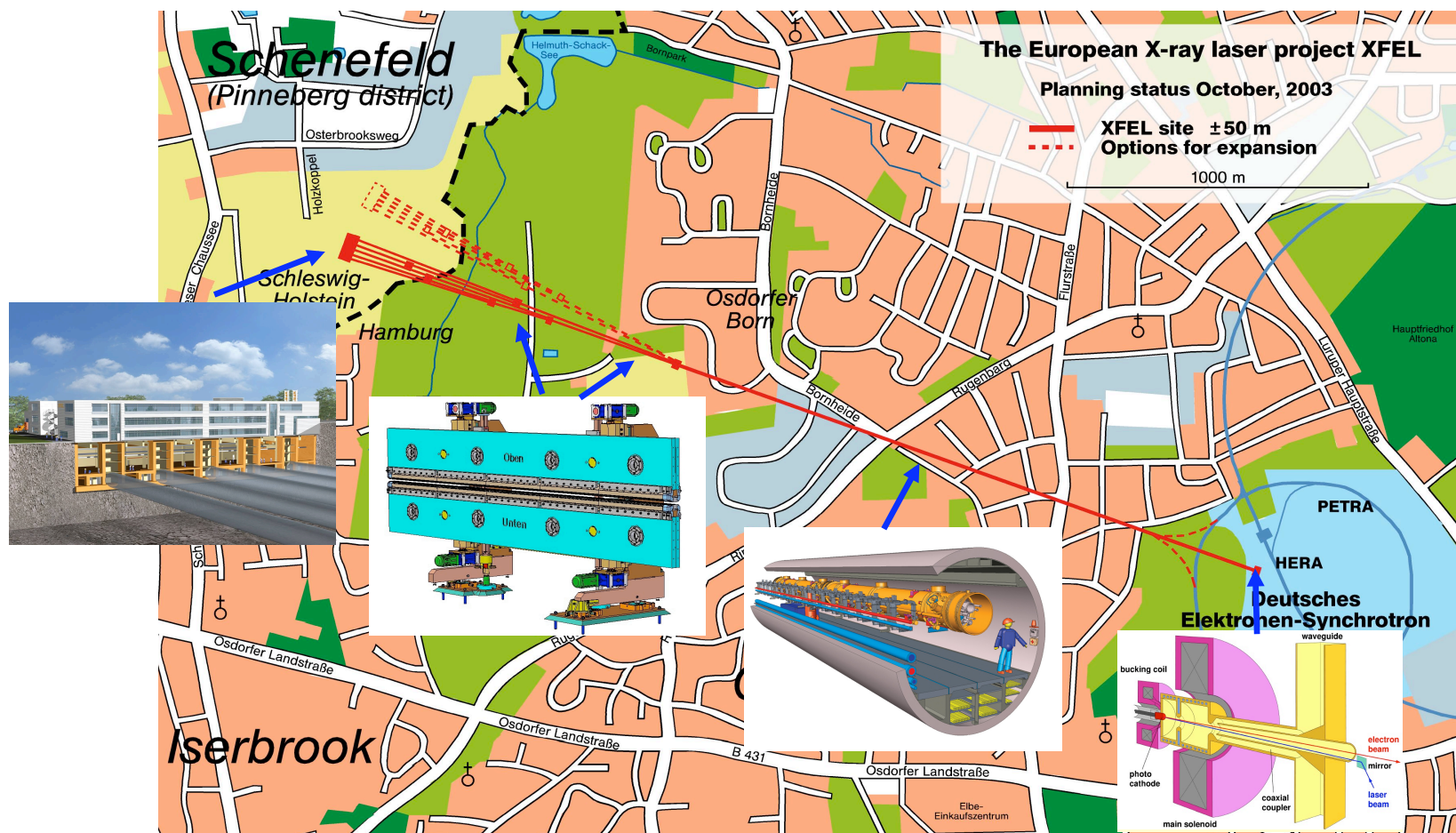
<http://www.xfel.eu/en/construction-webcams/>

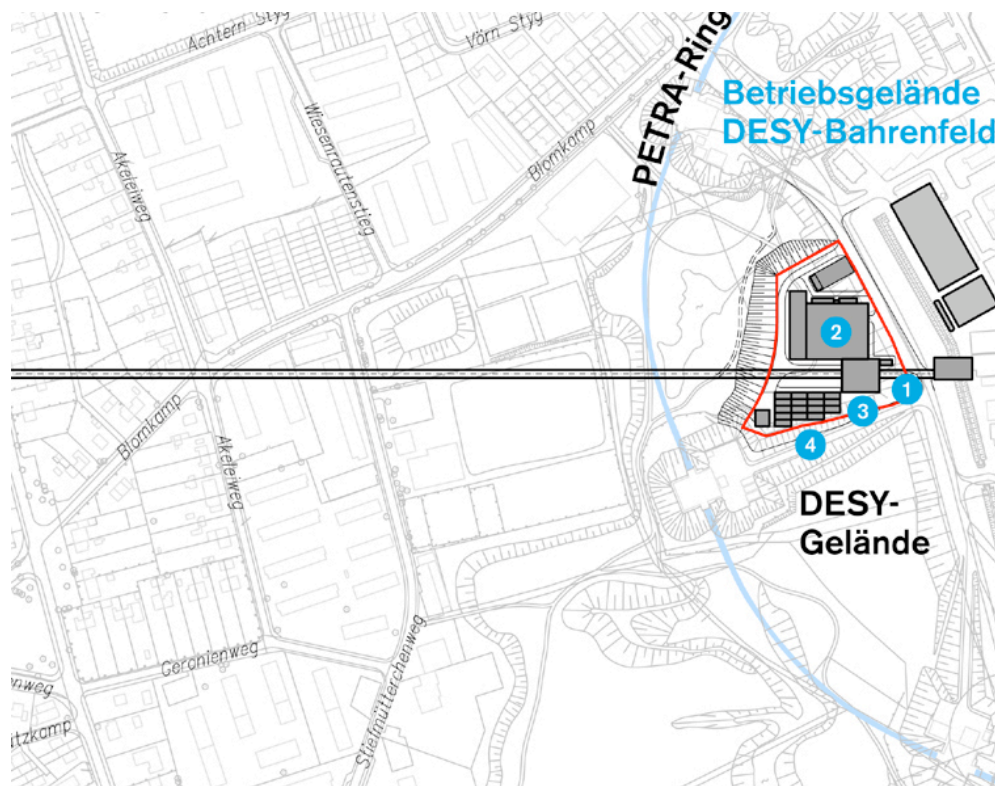
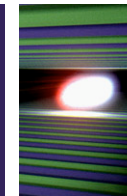


Overall layout of the European XFEL

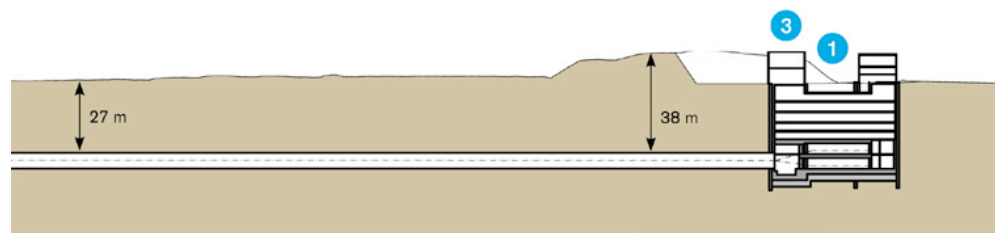


← 3.4km →

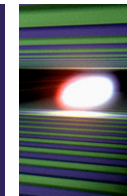




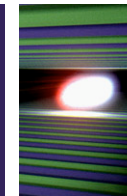
Injector Complex
Modulator Hall
Entrance Hall
Water Coolers
HERA-Cryohall



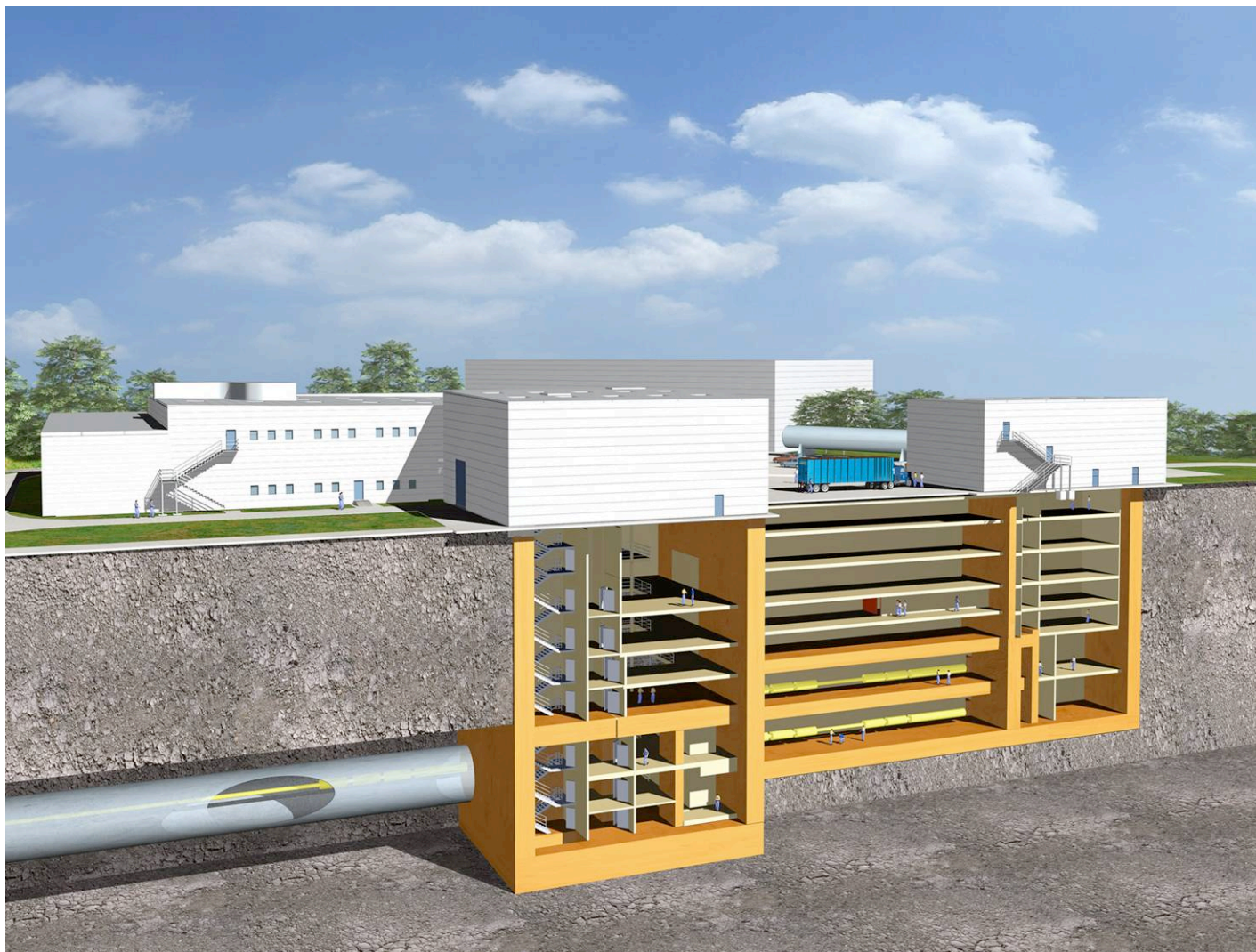
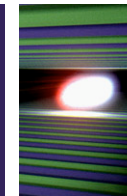
DESY Bahrenfeld Site



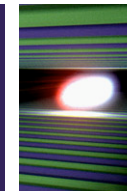
DESY Bahrenfeld Site – Computer Simulation

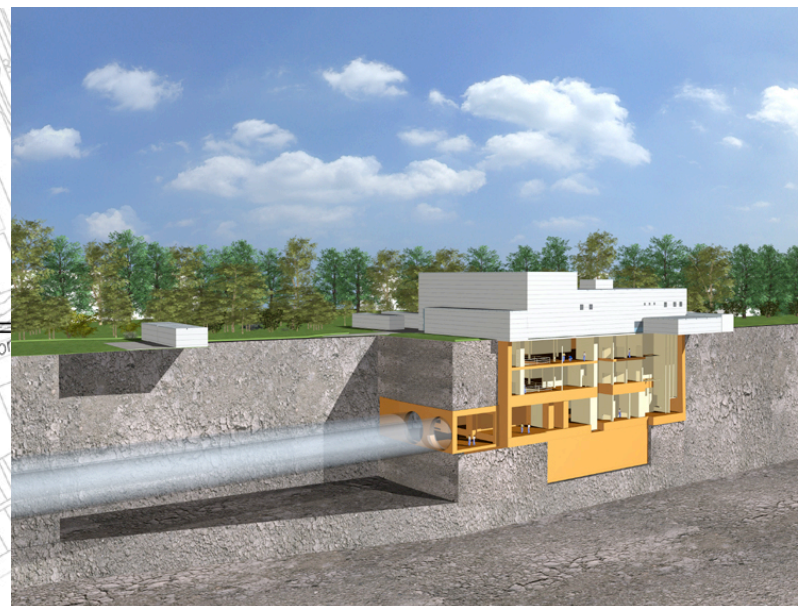
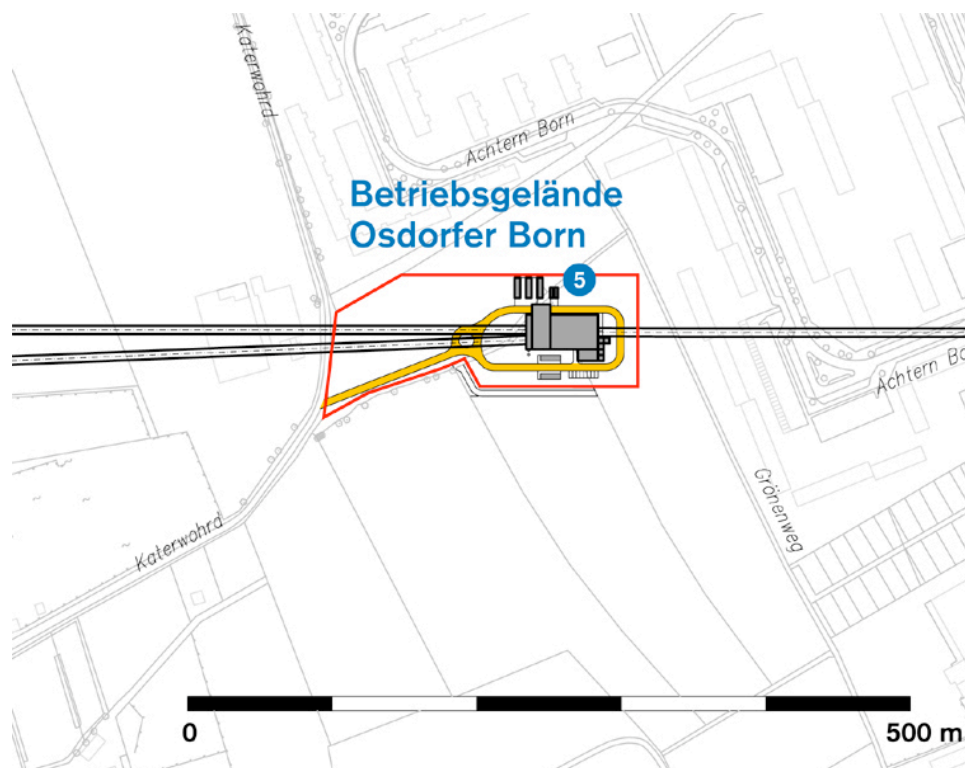
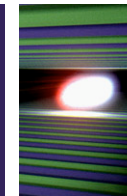


DESY Bahrenfeld Site – Injector Complex

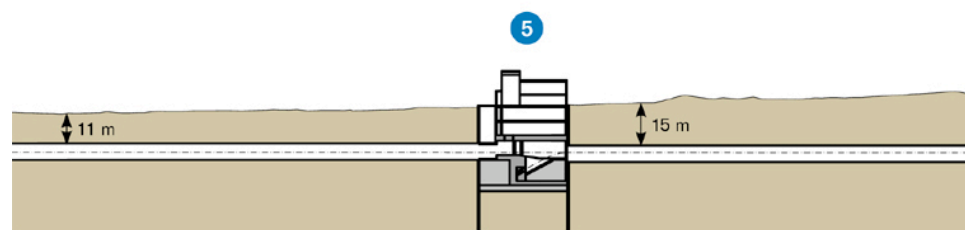


Osdorfer Born Site

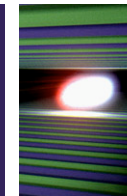




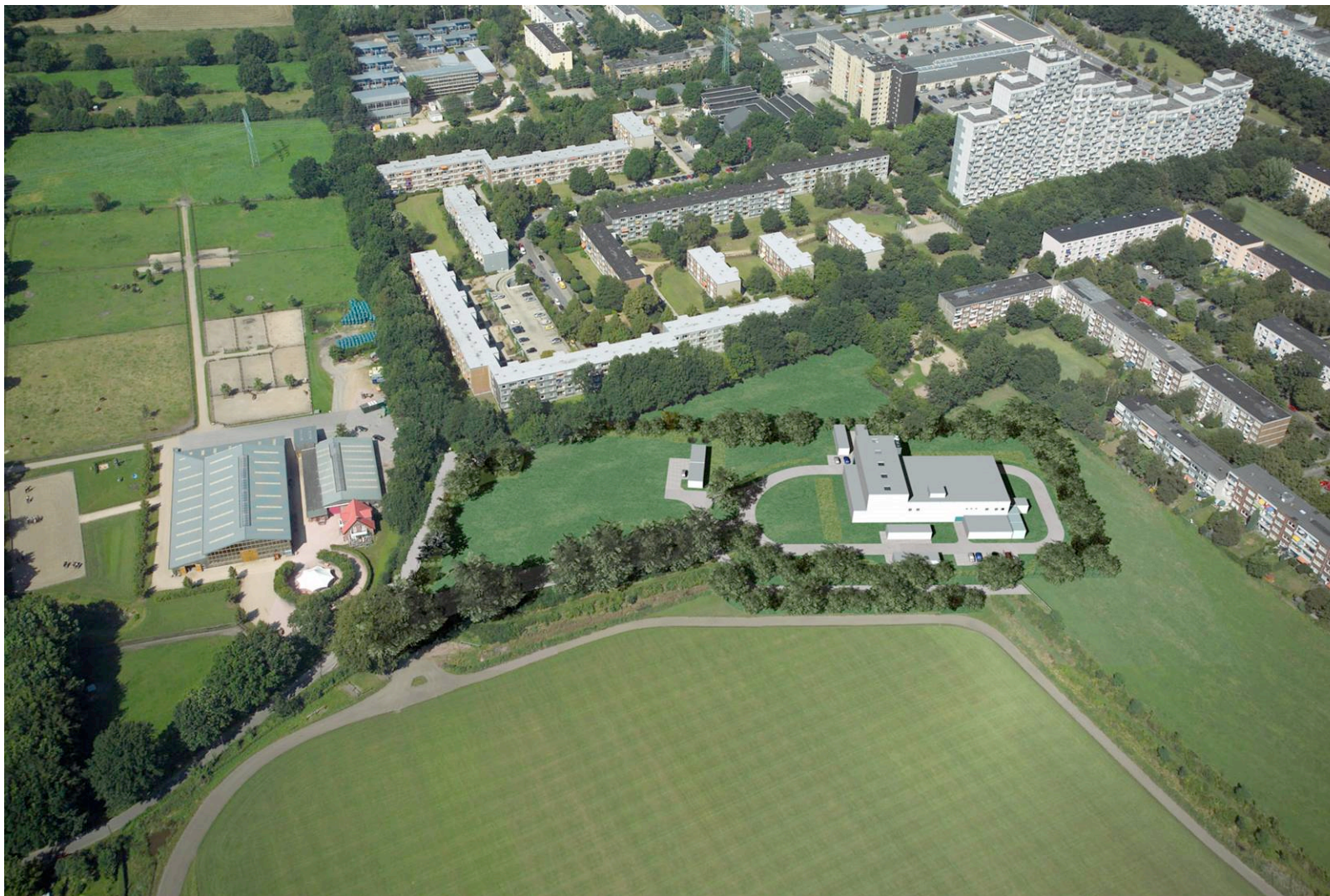
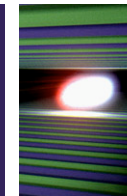
Distribution shaft from linac tunnel
to undulator tunnels

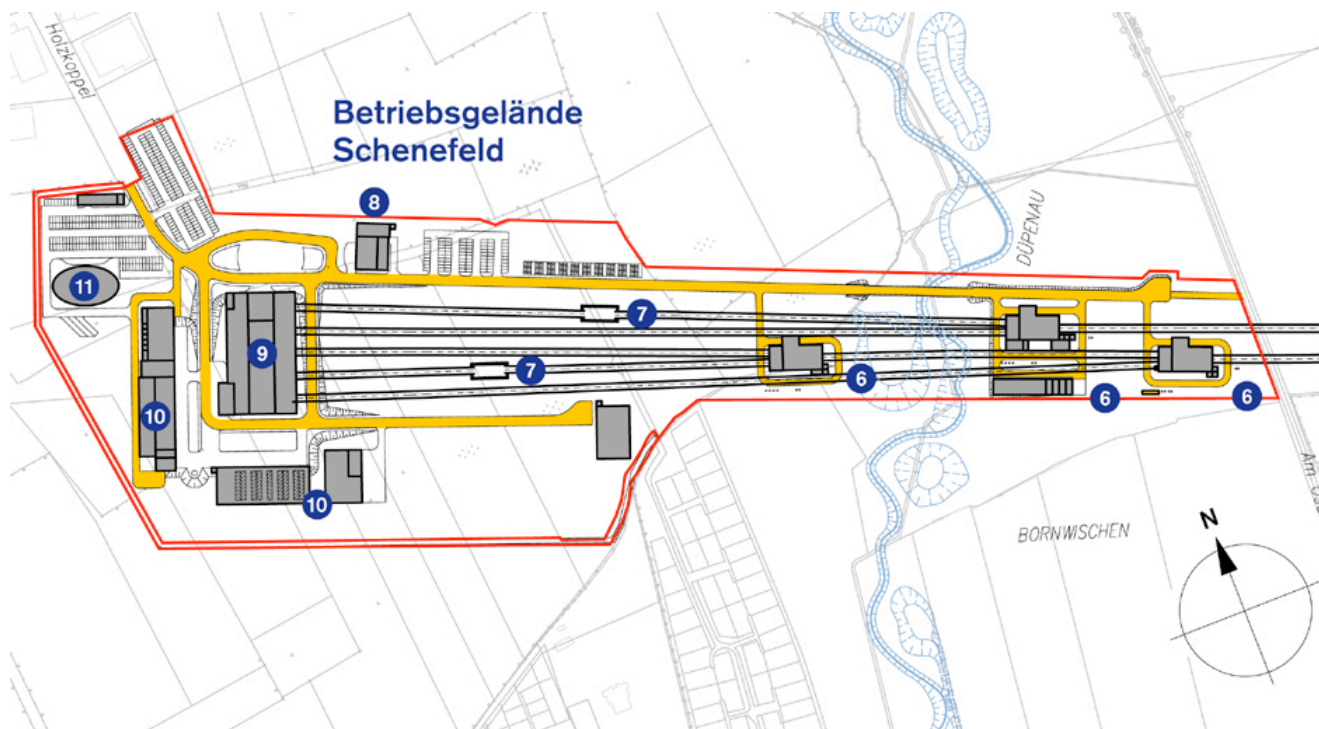
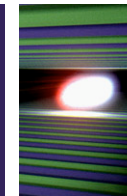


Osdorfer Born Site



Osdorfer Born Site – Computer Simulation



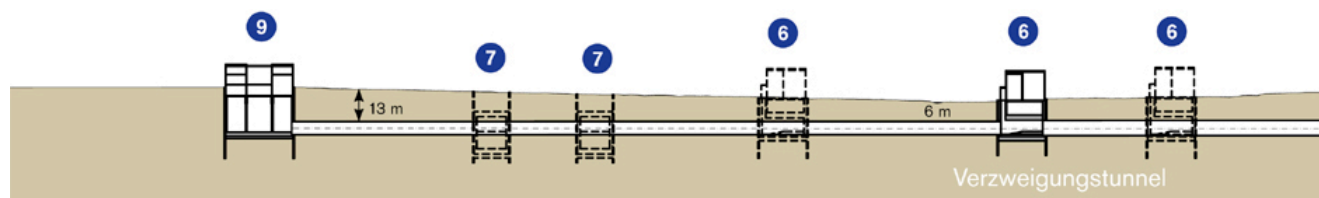


Distribution Shafts

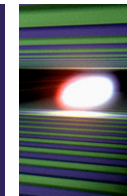
Power, Water,
Cooling Supplies

Experimental Hall

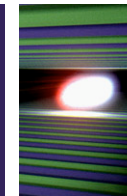
Office Building



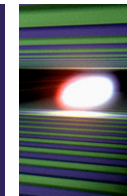
Schenefeld Site



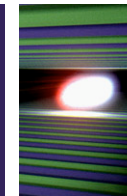
Schenefeld Site – Experiment Complex



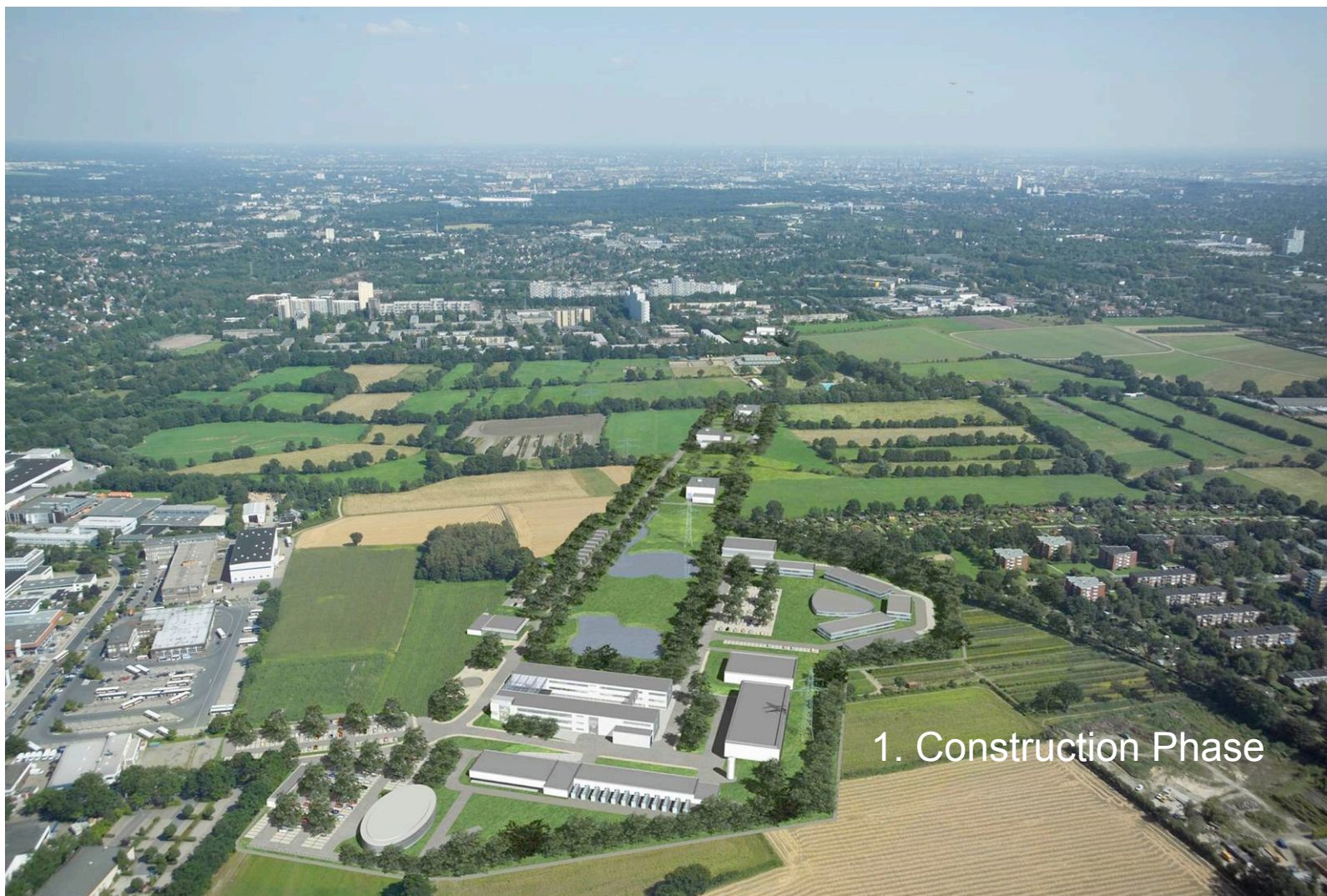
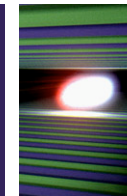
Laboratory and Office Building Complex



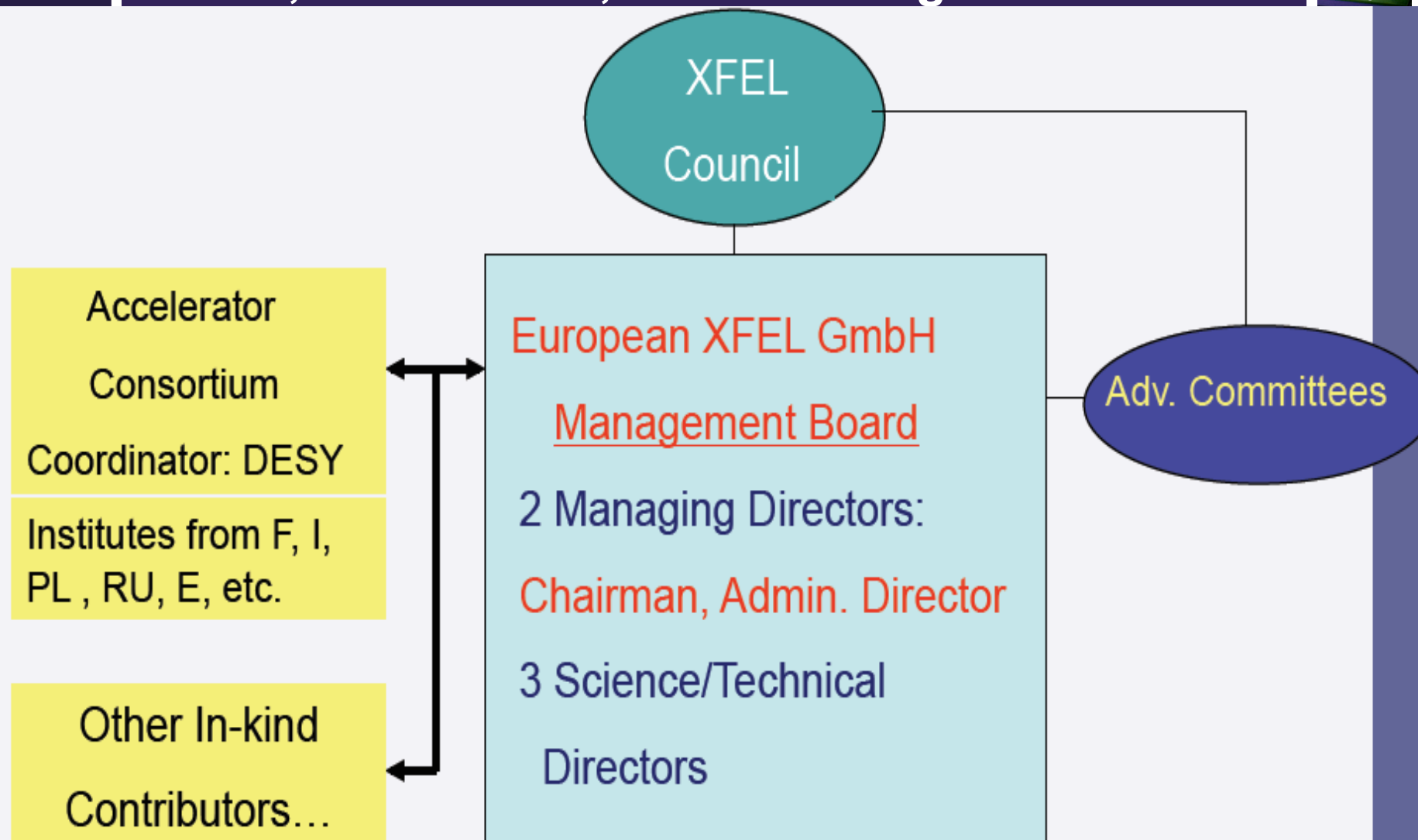
Schenefeld Site – Status August 2004



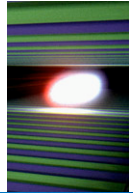
Schenefeld Site – Computer Simulation



XFEL, Committees, Collaborating Institutes



Recruitment

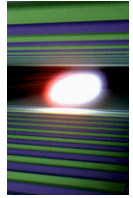


There are at present 32 people working in this building, most of them with DESY contracts.

Recruitment very advanced for 9 scientific, engineering and administrative positions.

More down the line





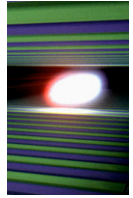
■ Status of Recruitment of Leading Scientists (Instruments 1 to 6)

Candidates selected (after shortlisting and interviews) for three instruments:

- Femtosecond Diffraction Experiments
- Small Quantum Systems
- High Energy-Density

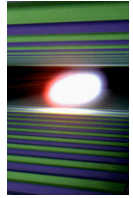
accepted (in principle) specific and detailed offers, negotiations concluded

CONTRACTUAL VALIDITY, STARTING DATES??



- Technical Coordinator for In-kind Contributions (Pre-XFEL)
 - Undulator system production specialist
 - Mechanical design engineer for undulator systems
- Candidates selected, finalization in progress

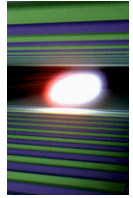
Administrative Positions



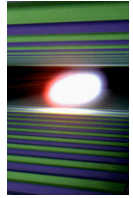
- Management Board Assistant
- Financial Controller
- Clerk (Accounting,...)

Candidates selected, finalization in progress

More down the line: scientific positions



- Coordinator, detector development
- DAQ hardware, software development
- 3 post-docs and 1 graduate student



Thank you for your attention
...and for your contribution
to the European XFEL!