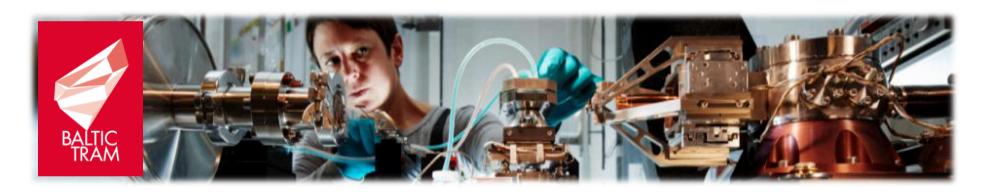
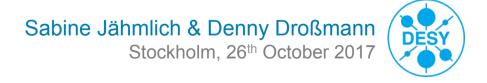
Industry collaboration at DESY



From Science to Innovation

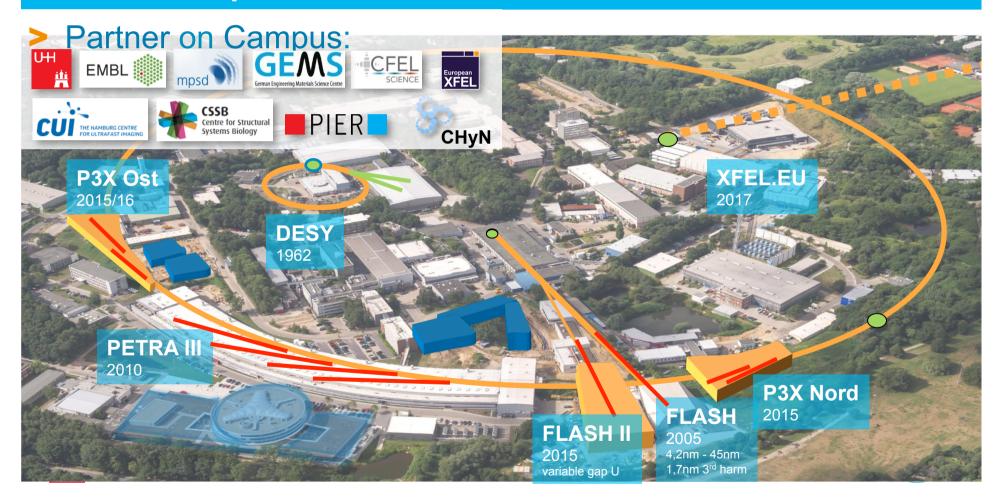




DESY - Basics



DESY - Campus.



DESY as Core and Anchor of the Ecosystem



Mission Statement.



Challenges and Goals.



- transform the innovation term in a traditional research surrounding #DESY DNA
- keep and built up the regional innovative and economical power
- generate an impact on relevant developments for society on short and medium term #ideastomarket
- positioning the DESY research activities within the industrial innovation chains #branding
- structure and professionalize the network between science and industry #bonding







Fields of Action.

HELMHOLTZ RESEARCH FOR GRAND CHALLENGES





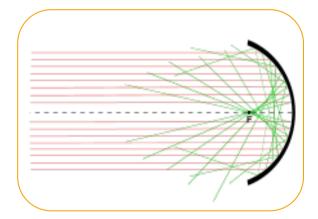


Testing area for new technologies.

Maintenance robot at the European XFEL tunnel



Innovative solar panel at the facade of one of our oldest buildings









DESY ITT – Team Structure.



Communications
Maike Bierbaum



Industry Relations
Sabine Jähmlich

Chief Technology Officer
Arik Willner



SecretaryBritta Persson



Executive Assistant Denny Droßmann



Innovation Services

Katja Kroschweski Sörne Möller Oliver Wendt







Exploitation and Patents

Ilka Mahns Lan Fimmen



Start-up Office

Katharina Kull N.N.











Outreach – outside and inside DESY.



Establish DESY in the industrial context

- > membership of DESY in associations and unions of all relevant branches
- > integrating the brand DESY into regional and national innovation concepts
- > participation in conferences, conventions and other industry related events
- hosting events and scheduling trainings for the industry on the DESY-Campus



- Holding events and workshops on innovation and technology transfer to inform and foster exchange within DESY
- communicating all topics of the operational fields by providing catchy info material to all departments at DESY



HELMHOLTZ RESEARCH FOR GRAND CHALLENGES



Partner to the Industry.

Innovation Service



- > offering an easy and direct access to large scale research infrastructure
- broad spectrum of highly specialized machines, workshops and methods to cope with various challenges #MacGyver
- translating industrial needs into scientific language #compiler
- offering access to the whole DESY ecosystem #single-access-point
- offering packages by involving all sources available on campus
 #allinclusive

Involving the Industry into large research projects from the beginning #IndustrialCase







Science for Industry.



- > Life Science, Pharmaceuticals & Bio-Tech
- > Catalysis & Chemistry
- > Material Science & Engineering
- > Food & Agriculture
- > Energy Production & Storage
- >Automotive & Aerospace
- > Data Science





Ideas to Market.

Exploitation



- building up a regular tech-screening within DESY #technologyscouts
- protecting the intellectual property (IP) and thereby strengthen the brand DESY #DESY-Technologies
- scientific transparency vs. intellectual property finding the right balance between scientific and industrial needs
- building up an efficient patenting process making sure we only patent the right developments
- DESY Generator Program internal support mechanism to validate DESY-Technologies
- involving the industry precociously into research project #validation







Ideas to Market.

DESY Generator Program

- Funding for potentially innovative technological developments at DESY
- > activities must be outside the daily research business
- > funding depends on the evaluation of the market value
- Goal is making a lab prototype ready for further validation
- "Generator Program" can also be used for co-funding of third party funding

Advisory Board

reviews applications and gives advice





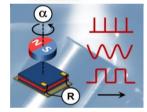




Ideas to Market.

Validation Projects









DESY supports the development of promising technological inventions to industrially useable products

Example: Magnetic Sensors

GOAL: joint validation with the industry in an industrial context

- patented DESY-Technology enables the production of made-tomeasure magnetic sensors with outstanding qualities
- by using a special layering process the new sensors are vastly more effective and able to measure more then one parameter at a time
- this project received a funding from the Helmholtz Validating Fund of 1,8 Mio €







Cradle to new Enterprises.

Start-ups



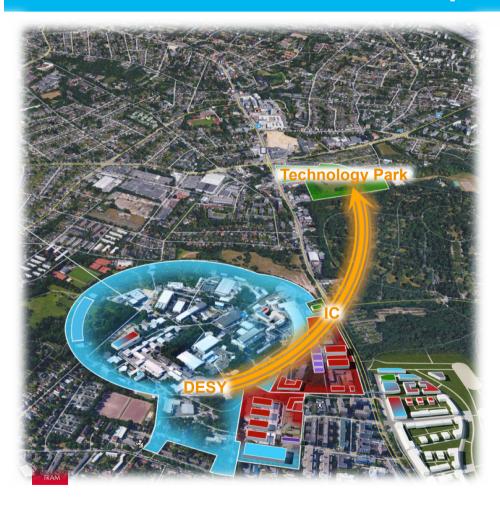
- licensing either into the industry or into a DESY spin-off (implement a decission process)
- developing a specific counseling for start-ups in their pre-seed phase
- integrating into the regional founder community and start-upnetworks
- > combining different local offers and networks
- establishing events and training programs especially for founders and potential founders (e.g. Scientists, Post-Docs, PhDs)
- making founding a visible career option







Innovation Center - Start-up Chain





by this spatial closeness they remain part of DESY's ecosystem





 once established, DESY start-ups may then move to the Technology Park nearby





newly founded start-ups will then move to the Innovation Center





 DESY start-ups are fostered at DESY during their pre-seed phase

Thanks and see you at:





