

A large, detailed wireframe architectural model of a campus, showing various buildings, courtyards, and pathways. The model is rendered in a light gray wireframe style, with some elements highlighted in orange and black. The model is positioned in the background, with a large, curved wireframe path in the foreground that frames the central text.

Integrated Campus Schedule

Natalya Winters
& Emmanuel Rosi
BTR 12.07.2024

Strategic goals of FAIR & GSI are clearly determined

They have a lot of dependencies and impacts

FAIR phase 0
research
program

Construction
of FAIR



Upgrade of existing
accelerators

FAM:
Campus
development &
GAT

Integrated Campus Scheduling makes dependencies and effects visible and manageable

Objective of ICS Process

Create **long term overview** of main activities and projects covering all strategic objectives of campus (FAIR & GSI)

Discuss **interfaces, dependencies & new projects**

Link plans and consolidate resources needs (TGF) to achieve our strategic goals on time

all new projects where interfaces are expected must be submitted to the ICS team for assessment in advance



Scope & Core Team

FAIR Project

GSI Accelerator & Upgrade Projects

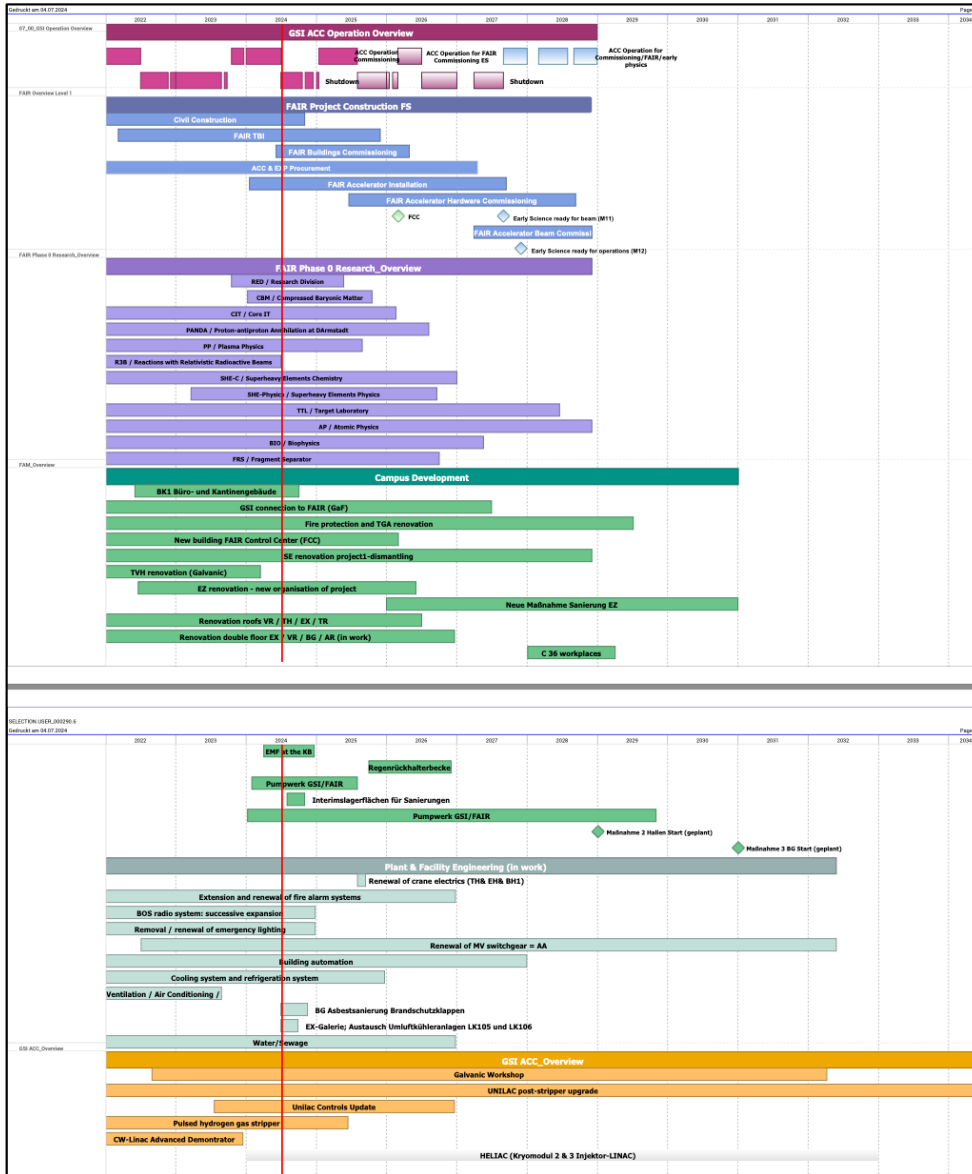
FAIR Phase 0 Research

Commons

Work and Team led by PMO (Dr. Natalya Winters)

Overall FAIR & GSI Schedule

realization phase general overview



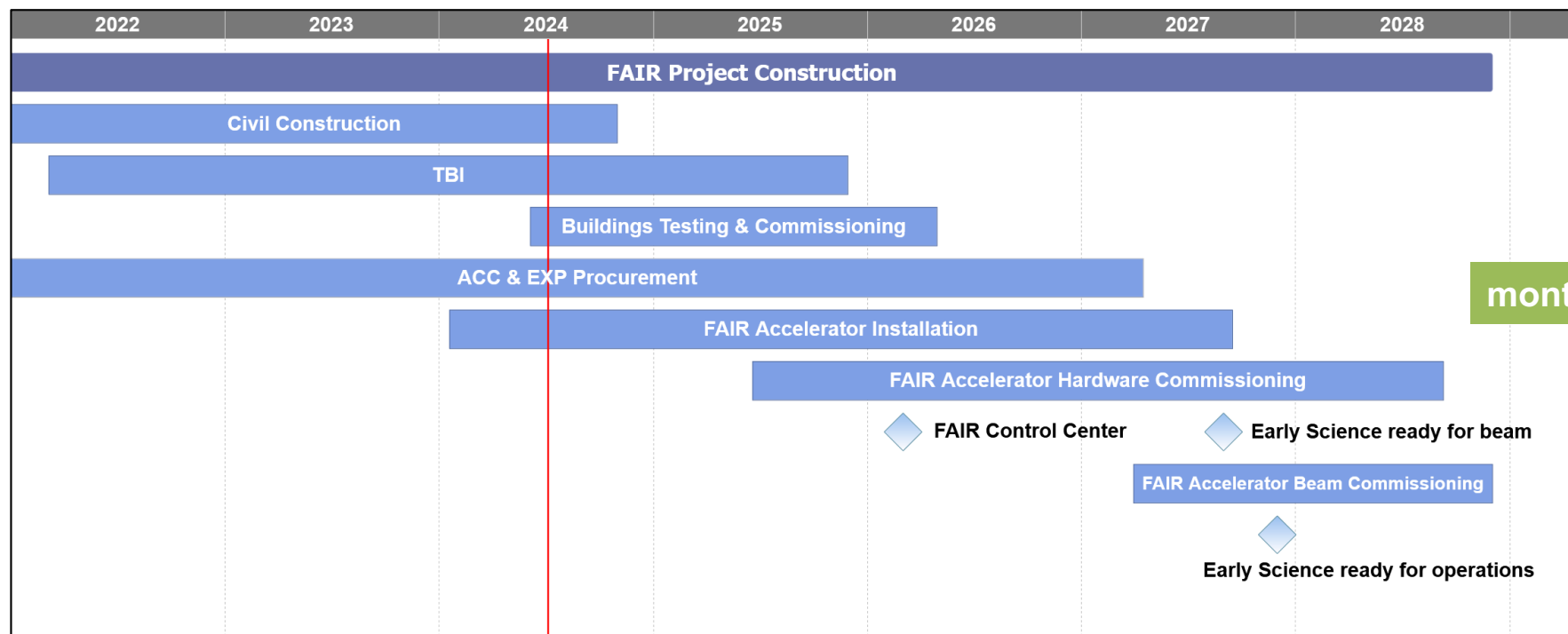
Construction of FAIR

FAIR phase 0 research program

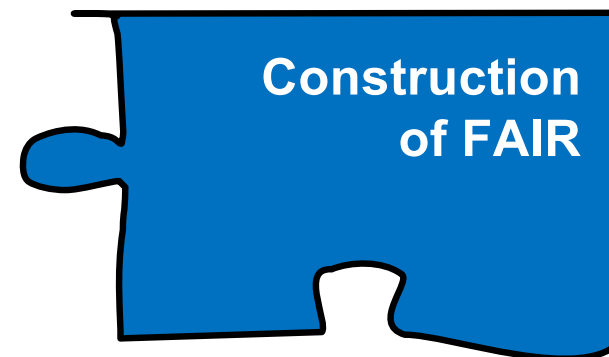
Campus development & GAT

Upgrade of existing accelerators

Contribution by FAIR Project



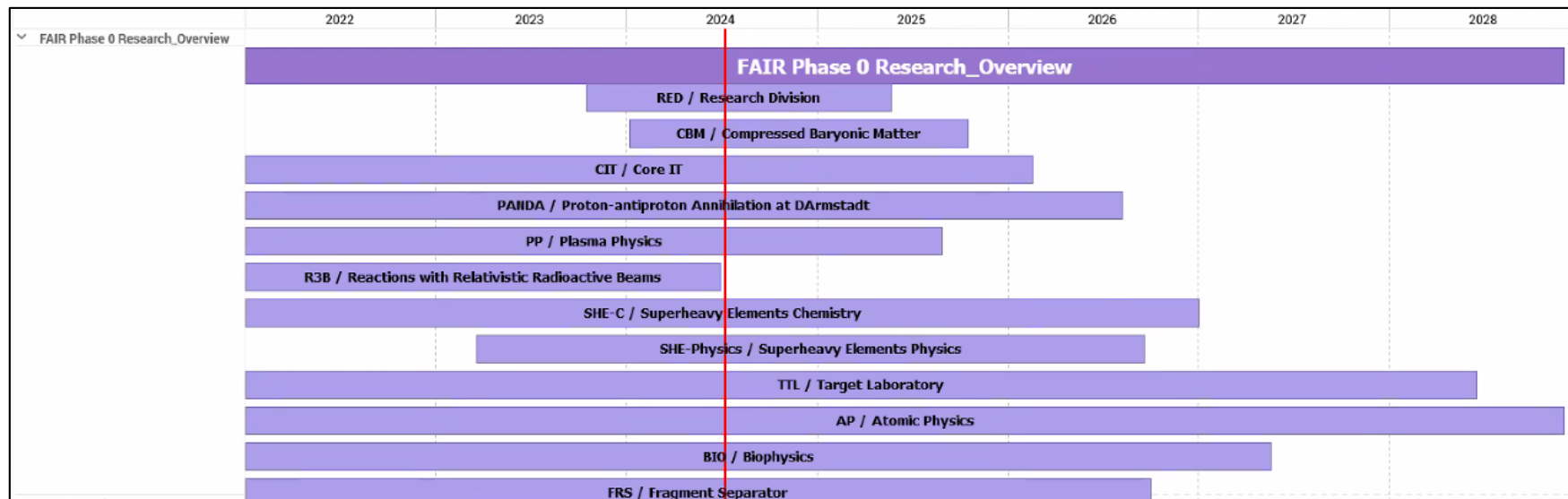
- ✓ everything planned in detail at work package level
- Installation planning in re-work
- Detailed planning of the commissioning will follow



Contribution by FAIR Phase 0 Research



- I. Projects and activities which involve other GSI departments
- II. Purchases of new equipment
- III. De-commissioning of experimental places

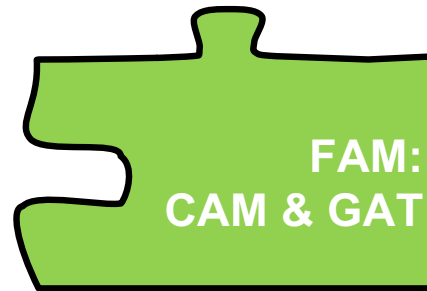


Contribution by Campus Development (CAM) & Plant & Facility Engineering (GAT)

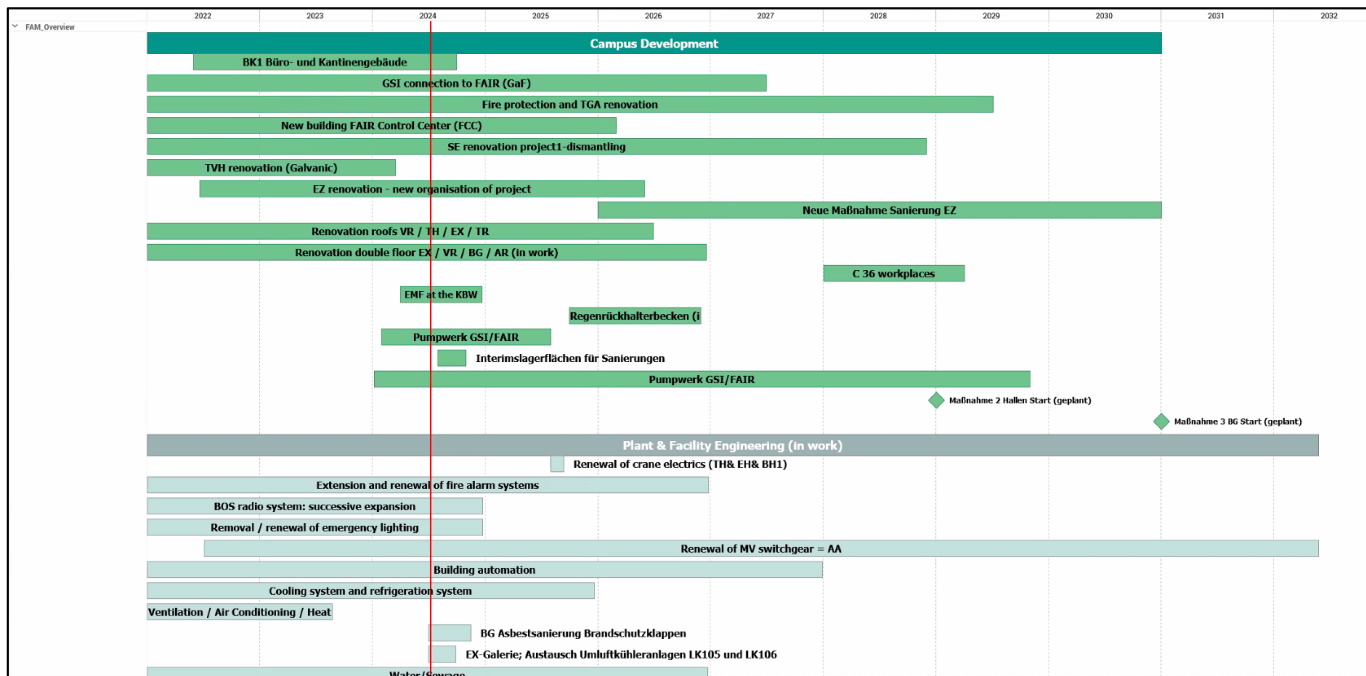


CAM

- Neubauten
- Dachsanierung
- Sanierungen
- Sanierung Doppelboden
- Projektierte Sanierungen
- Kranbahnsanierung 2020
- FAIR Neubau



GAT

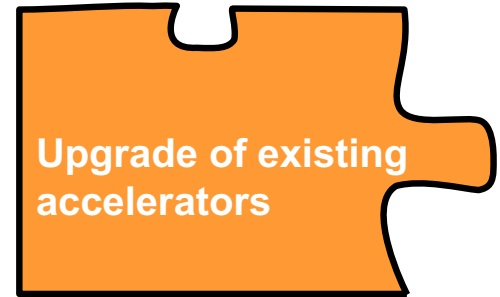
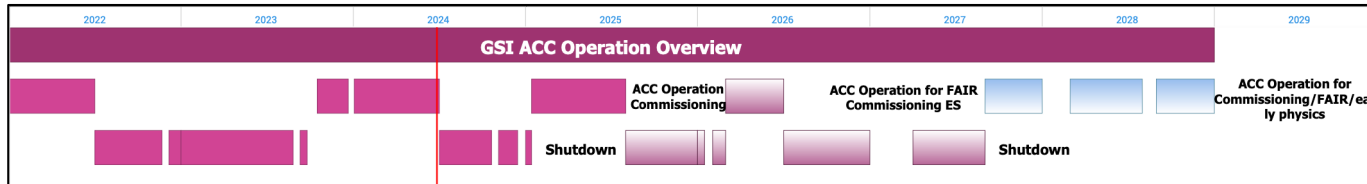


half-yearly update
(Baukoordination
Gespräche)

Contribution by GSI Accelerator & Upgrade Projects



I. Beamtime & shutdown blocks



II. Shutdown planning in PLW with generic resources!

weekly update				2024												2025					
Item ID	Description	Duration	Planned start	Planned finish	Proposed res.	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	
167W04		167W04	10.05.2022	21.07.2025																	
233W4d		233W4d	10.05.2022	21.07.2025																	
211W2d		211W2d	10.05.2022	31.03.2025																	
17	00101	Überblick	44W2d	29.06.2024	05.02.2025																
55	00131	0 Zugang Kontrollbereiche	77W1d	01.07.2024	21.07.2025																
70	00140	Betrieb Infrastruktur / Kühlwasser	34W3d	01.07.2024	20.12.2024																
99	00164	Betrieb Infrastruktur / Lüftung	53W3d	01.07.2024	25.03.2025																
104	00169	1 Gemeinsame Einrichtungen / Medien	35W1d	28.06.2024	20.12.2024																
201	00206	Ionenquellen	37W1d	28.06.2024	30.12.2024																
207	00208	0 UNILAC	36W3d	01.07.2024	30.12.2024																
283	00235	SIS18	34W2d	01.07.2024	19.12.2024																
334	00271	HEST	30W2d	01.07.2024	29.11.2024																
372	00288	FRS	33W1d	01.07.2024	13.12.2024																
386	00302	ESR	34W3d	01.07.2024	20.12.2024																
407	00332	CRYRING@ESR	43W3d	01.07.2024	03.02.2025																
452	00342	HITRAP	30W2d	01.07.2024	29.11.2024																
464	00350	Experimente	24W4d	01.07.2024	01.11.2024																
469	00352	UNILAC_PS_Upgrade	2W2d	01.07.2024	12.07.2024																
471	00354	HELIAC (CW_LINAC)	9W0d	01.07.2024	14.08.2024																

III. ACC upgrade projects

16. ACC quarterly project report meeting

27 May 2024
Europe/Berlin (timezone)

Overview
Contribution List

Liebe Kolleg*innen,
folgend die Agenda für das kommende QRM:

- 14:00-14:10 Introduction (Udo Weinrich)
- 14:10-14:25 Galvanik Workshop planning (Gertrud Walter)
- 14:25-14:40 Unilac post-stripper upgrade (Sascha Mickat)
- 14:40-14:55 Unilac Controls Upgrade (Peter Gerhard)
- 14:55-15:10 Unilac pulsed hydrogen gas stripper (Peter Gerhard)
- 15:10-15:25 Linac HF (Bernhard Schlitt)
- 15:25-15:40 CW-Linac Advanced Demonstrator (M. Miski-Oglu)
- 15:40-16:00 Discussion

Progress Meeting	Responsibility	PLW
Galvanic	T. Dettinger	ja
UNILAC post-stripper upgrade	S.Mickat	partially actual
Unilac Controls Update (Injector Controls Upgrade?)	P.Gerhard	partially actual
Unilac pulsed hydrogen gas stripper	P. Gerhard	Quarterly update
Linac HF	B. Schlitt	Quarterly update
CW-Linac Advanced Demonstrator	Miski-Oglu	Quarterly update

New project analysis: HELIAC



- Presentation of the new HELIAC project in 2023 to the ICS team and the departments concerned
- Appointment of contact persons by the specialist departments
- (Rough) estimate by the specialist departments: **FTE/costs/duration (deadlines) /interface**
- Presentation of the interim results by the HELIAC project management in the same round (March 2024)
- Presentation of the planning by the HELIAC project management to the GSI management June 2024



All data is available
a decision on the start of the project will be
made in the coming years

ICS webpage at gsi.de



https://www.gsi.de/work/gesamtprojektleitung_fair/project_management_office/integrated_campus_scheduling

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GSI
GSI Helmholtzzentrum für Schwerionenforschung GmbH

ÜBER UNS | FORSCHUNG/BESCHLEUNIGER | JOBS/KARRIERE | MEDIEN/NEWS | **@WORK**

GSI > @Work > Gesamtprojektleitung FAIR > Project Management Office > Integrated Campus Scheduling

Integrated Campus Scheduling - ICS

Objective of ICS

- Create campus master time schedule for GSI and FAIR
- Discuss interfaces und dependencies; link plans and resources to achieve our strategic goals on time
- ICS will be quarterly updated

Scope & Team

FAIR Project		
Dipl.-Ing. E. Rosi <i>Head of Project Management Office (PMO)</i>		Dr. N. Winters <i>Head of Planning and Risk Management</i>
GSI Accelerator & Upgrade Projects (ACC)		
Dr. R. Alßmann <i>Head of Accelerator Operations</i>		Dipl. Phys. S. Reimann <i>Head of Operations Department</i>
Research		
Dr. Y. Leifels <i>Deputy Research Director FAIR & GSI</i>	Dr. D. Severin <i>GSI Beam Time Coordinator</i>	Dr. I. Lehmann <i>Head of FAIR Research Coordination Office</i>
Facility Management & Campus Development (FAM)		
G. Stephan <i>Head of Facility Management & Campus Development</i>		S. Welker <i>BAU Project Coordination</i>
Sub-Project Commons (COM)		
Dipl.-Phys. S. Menke <i>Head of Sub-Project Commons</i>		

FAIR phase 0 research program | **Construction of FAIR**
Upgrade of existing accelerators | **Campus development**

Level 1 - Current ICS Plan (25.06.2024)

[Timeline](#)
[Gantt](#)


[ICS Indico and Minutes \(members only\)](#)

Partner Links


- [GSI ACC Beam Time Plan](#)
- [GSI ACC Shutdown Plan](#)
- [PHELIX beam time](#)
- [Facility Management](#)

For contact and questions

Marina Gorda
[M.Gorda\(at\)gsi.de](mailto:M.Gorda(at)gsi.de)



GSI ist Mitglied bei



- ✓ ICS working team meets regularly
- ✓ ICS Level1 Project Plan published on GSI Webpage
- ✓ Various important results could be obtained

Example: Galvanic strategy (pLinac / UNILAC) - 2022

Integrated shutdown scenarios (LA-16 Renovation) - 2022

ACC shutdown activity planning - 2024

FCC building completion - 2023

New project analysis: HELIAC - 2024

- Open points
 - Planning quality and completeness (FAIR Resources, GSI ACC planning activities & Procurement activities,)
- Next steps
 - **More efficient TGF resources management**
 - **Portfolio management improvement**

Thank you



special thanks to

Sabine Welker (FAM), Arnaud Le Fevre (Research)
& Marina Gorda (PMO)

