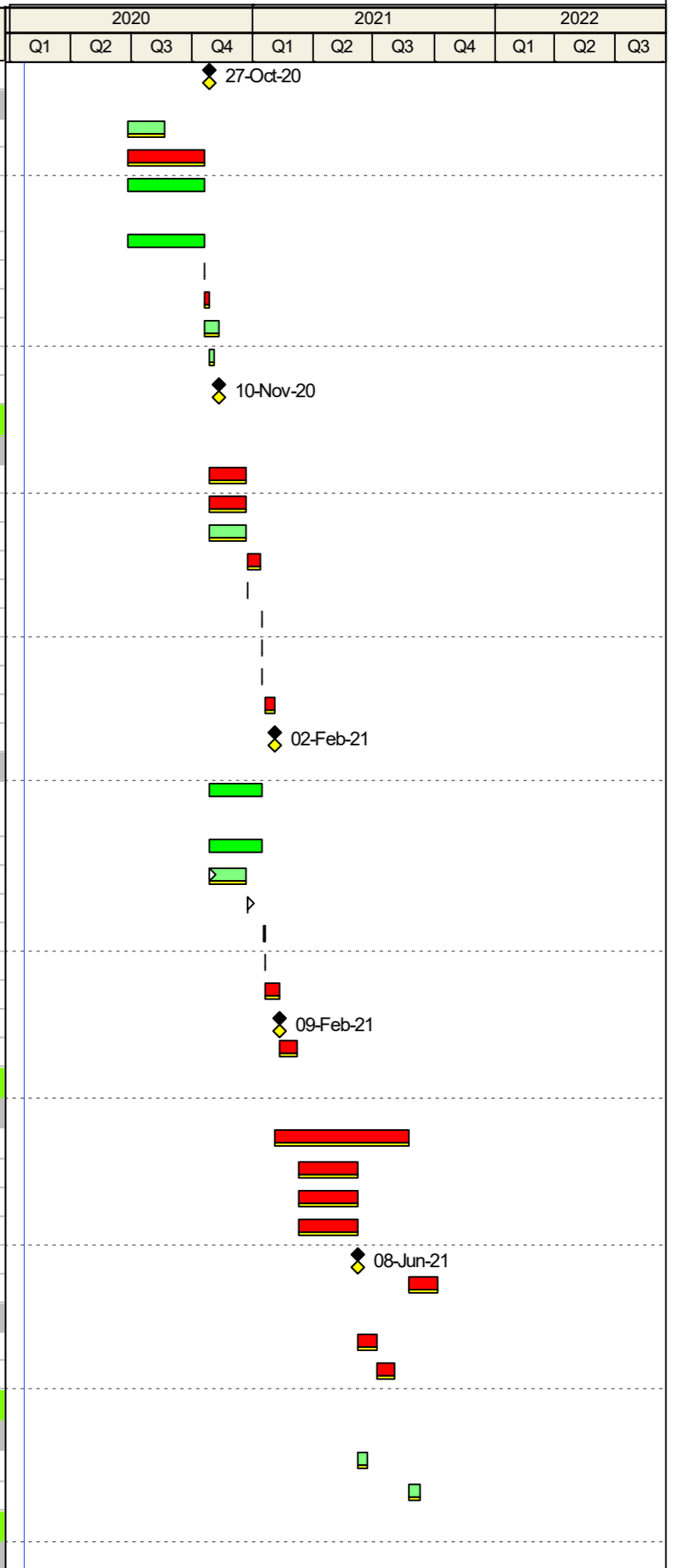


Activity ID	Activity Name	Role IDs	Original Duration	Start	Finish	2020			2021				2022			
						Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
LIDS-QMS						577.0d			19-Nov-19 A				18-May-22			
MILESTONES						577.0d			19-Nov-19 A				18-May-22			
LIDS130	LIDS QMS - IDP Gate 1		0.0d		19-Nov-19 A	◆ 19-Nov-19 A										
LIDS100	LIDS QMS - IDP Gate 2		0.0d		18-Mar-20	◆ 18-Mar-20										
LIDS105	LIDS QMS - IDP Gate 3		0.0d		09-Mar-21	◆ 09-Mar-21										
LIDS110	LIDS QMS - IDP Gate 4		0.0d		02-Dec-21	◆ 02-Dec-21										
LIDS115	LIDS QMS - IDP Gate 5		0.0d		18-Mar-22	◆ 18-Mar-22										
LIDS120	LIDS QMS - IDP Gate 6		0.0d		18-Mar-22	◆ 18-Mar-22										
LIDS125	LIDS QMS - IDP Gate 7		0.0d		18-May-22*	◆ 18-May-22										
DEFINITION						60.0d			22-Jan-20				16-Apr-20			
UKAEA Activities						60.0d			22-Jan-20				16-Apr-20			
LIDS201	KZ 3 Assessment and Area Survey	ELE, SPE	10.0d	22-Jan-20	04-Feb-20	[Green Bar]										
LIDS203	Communicate Quality/ Site Conditions	ELE	5.0d	22-Jan-20	28-Jan-20	[Green Bar]										
LIDS205	Provision of CATIA Models of JET Ports & Beam Lines incl. Surroundings	EMD	20.0d	22-Jan-20	18-Feb-20	[Green Bar]										
LIDS207	Assess Status of RGAs	SPE	20.0d	22-Jan-20	18-Feb-20	[Green Bar]										
LIDS209	H&S Risk Assessment	SPE, ELE	5.0d	22-Jan-20	28-Jan-20	[Green Bar]										
LIDS211	Technical Implementation Plan		20.0d	22-Jan-20	18-Feb-20	[Green Bar]										
LIDS213	Design control Plan Documentation		20.0d	22-Jan-20	18-Feb-20	[Green Bar]										
LIDS215	Stakeholder Requirements Document Draft		39.0d	22-Jan-20	16-Mar-20	[Red Bar]										
LIDS217	System Requirements Document Draft		39.0d	22-Jan-20	16-Mar-20	[Green Bar]										
LIDS219	Establish RGA Sensitivity	SPE, SPE	40.0d	19-Feb-20	16-Apr-20	[Green Bar]										
LIDS221	Stake Holder Requirement Review	ELE, SPE	1.0d	17-Mar-20	17-Mar-20											
LIDS223	System Requirement Review	ELE, SPE	1.0d	18-Mar-20	18-Mar-20											
LIDS357	UKAEA Definition Completed		0.0d		18-Mar-20	◆ 18-Mar-20										
CONCEPT DESIGN						71.0d			19-Mar-20				02-Jul-20			
Juelich Activities						66.0d			19-Mar-20				25-Jun-20			
LIDS229	Concept Design Optical		40.0d	19-Mar-20	18-May-20	[Green Bar]										
LIDS231	Concept Design Mechanical		40.0d	19-Mar-20	18-May-20	[Green Bar]										
LIDS225	Concept Design Laser		40.0d	19-Mar-20	18-May-20	[Red Bar]										
LIDS237	Concept Design Review Optical		1.0d	19-May-20	19-May-20											
LIDS239	Concept Design Review Mechanical		1.0d	19-May-20	19-May-20											
LIDS233	Concept design Review Laser		1.1d	19-May-20	19-May-20											
LIDS241	Concept Design Documentation / Technical File Preparation		5.0d	19-Jun-20	25-Jun-20											
LIDS247	Juelich - Concept Design Compete		0.0d		25-Jun-20	◆ 25-Jun-20										
UKAEA Activities						71.0d			19-Mar-20				02-Jul-20			
LIDS365	Concept Design UKAEA Engineering Management	ELE, UPC, UPM, UPM, SPE, ERC	27.0d	19-Mar-20	25-Jun-20	[Green Bar]										
LIDS367	Concept Design UKAEA CODAS System Integration	ECE	27.0d	19-Mar-20	25-Jun-20	[Green Bar]										
LIDS227	Concept Design target Tile	EAN, EMD	60.0d	19-Mar-20	17-Jun-20	[Red Bar]										
LIDS235	Concept Design Review target Tile	EMD, ECE	1.0d	18-Jun-20	18-Jun-20											
LIDS243	Concept Design Documentation / Technical File Review	EEL, EME, ECE, SPD	5.0d	19-Jun-20	25-Jun-20											
LIDS361	UKAEA - Review Actions		10.0d	19-Jun-20	02-Jul-20											
LIDS245	UKAEA - Concept Design Input/ Support Compete		0.0d		02-Jul-20	◆ 02-Jul-20										
PRELIMINARY DESIGN						96.0d			26-Jun-20				10-Nov-20			
Juelich Activities						86.0d			26-Jun-20				27-Oct-20			
LIDS249	Preliminary Design Laser		60.0d	26-Jun-20	21-Sep-20	[Red Bar]										
LIDS251	Preliminary Design Optical		60.0d	26-Jun-20	21-Sep-20	[Green Bar]										
LIDS253	Preliminary Design Mechanical		60.0d	26-Jun-20	21-Sep-20	[Green Bar]										
LIDS257	Preliminary Design Review Laser		1.0d	22-Sep-20	22-Sep-20											
LIDS259	Preliminary Design Review Optical		1.0d	22-Sep-20	22-Sep-20											
LIDS261	Preliminary Design Review Mechanical		1.0d	22-Sep-20	22-Sep-20											
LIDS265	Preliminary Design Documentation / Technical File Preparation		5.0d	21-Oct-20	27-Oct-20											

■ Actual Work ■ Critical Remaining Work ■ Remaining Work
▶ Start Constraint ◀ Finish Constraint ◆ Milestone

Activity ID	Activity Name	Role IDs	Original Duration	Start	Finish	2020				2021				2022			
						Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	
LIDS271	Juelich - Preliminary Design complete		0.0d		27-Oct-20												
UKAEA Activities			96.0d	26-Jun-20	10-Nov-20												
LIDS283	Thermal, Structural & Activational Analysis	EAN, EMD	40.0d	26-Jun-20	20-Aug-20												
LIDS255	Preliminary Design Target Tile	EMD, ERC	80.0d	26-Jun-20	19-Oct-20												
LIDS369	Preliminary Design UKAEA Engineering Management	ELE, UPC, UPM, UPM, SPE, ERC	91.0d	26-Jun-20	20-Oct-20												
LIDS371	Preliminary Design UKAEA CODAS System Integration	ECE	91.0d	26-Jun-20	20-Oct-20												
LIDS263	Preliminary Design Review Target Tile	EME, SPD, ECE	1.0d	20-Oct-20	20-Oct-20												
LIDS267	Preliminary Design Documentation / Technical File pre Review	EEL, EME, ECE, SPD	5.0d	21-Oct-20	27-Oct-20												
LIDS359	UKAEA - Review Actions		15.0d	21-Oct-20	10-Nov-20												
LIDS281	Draft and Issue PIN	UPM, UPM	5.0d	28-Oct-20	03-Nov-20												
LIDS269	Preliminary Design support complete		0.0d		10-Nov-20												
DETAIL DESIGN			89.0d	28-Oct-20	09-Mar-21												
Juelich Activities			64.0d	28-Oct-20	02-Feb-21												
LIDS273	Detailed Design Optical		40.0d	28-Oct-20	22-Dec-20												
LIDS275	Detailed Design mechanical		40.0d	28-Oct-20	22-Dec-20												
LIDS279	Detailed Design Laser		40.0d	28-Oct-20	22-Dec-20												
LIDS285	Thermal and structural analysis		10.0d	23-Dec-20	13-Jan-21												
LIDS289	Detailed Design Review Laser		1.0d	23-Dec-20	23-Dec-20												
LIDS291	Detailed Design Review Optical		1.0d	14-Jan-21	14-Jan-21												
LIDS293	Detailed Design Review mechanical		1.0d	14-Jan-21	14-Jan-21												
LIDS295	Detailed Design Documentation / Technical File Preperation		1.0d	15-Jan-21	15-Jan-21												
LIDS305	Juelich - Review Actions		10.0d	20-Jan-21	02-Feb-21												
LIDS311	Juelich - Detail Design Compete		0.0d		02-Feb-21												
UKAEA Activities			89.0d	28-Oct-20	09-Mar-21												
LIDS373	Detailed Design UKAEA Management	ELE, UPC, UPM, UPM, SPE, ERC	51.0d	28-Oct-20	14-Jan-21												
LIDS375	Detailed Design UKAEA CODAS System Integration	ECE	51.0d	28-Oct-20	14-Jan-21												
LIDS377	Detailed Design Target Tile	EMD, ERC	40.0d	28-Oct-20*	22-Dec-20												
LIDS379	Detailed Design Review Target Tile	EME, SPD, ECE	1.0d	23-Dec-20*	23-Dec-20												
LIDS297	Detailed Design Documentation / Technical File pre Review	EEL, EME, ECE, SPD	1.0d	18-Jan-21	18-Jan-21												
LIDS299	System Technical Review	EEL, EME, ECE, SPD	1.0d	19-Jan-21	19-Jan-21												
LIDS303	UKAEA - Review Actions		15.0d	20-Jan-21	09-Feb-21												
LIDS309	UKAEA - Detail Design Input/ Support Compete		0.0d		09-Feb-21												
LIDS313	Risk Allowance for Design		20.0d	10-Feb-21	09-Mar-21												
PROCUREMENT/ MANUFACTURE			170.0d	03-Feb-21	07-Oct-21												
UKAEA Activities			170.0d	03-Feb-21	07-Oct-21												
LIDS307	Procure Nd:YAG Laser ind OJEU	UPM	140.0d	03-Feb-21	24-Aug-21												
LIDS315	Procure/ Manufacture Target Plate	UPM	60.0d	10-Mar-21	08-Jun-21												
LIDS317	Procure Mechanical Components	UPM	60.0d	10-Mar-21	08-Jun-21												
LIDS319	Procure Optical Components	UPM	60.0d	10-Mar-21	08-Jun-21												
LIDS323	Mech. & Optical Components Procurement Complete		0.0d		08-Jun-21												
LIDS327	Risk Allowance for Procurement		30.0d	25-Aug-21	07-Oct-21												
Juelich Activities			40.0d	09-Jun-21	03-Aug-21												
LIDS333	Factory Acceptance Test		20.0d	09-Jun-21	06-Jul-21												
LIDS339	Delivery to UKAEA		20.0d	07-Jul-21	03-Aug-21												
ASSEMBLY/ TEST/ DELIVERY			65.0d	09-Jun-21	09-Sep-21												
UKAEA Activities			65.0d	09-Jun-21	09-Sep-21												
LIDS321	Assemble Mechanical Components		10.0d	09-Jun-21	22-Jun-21												
LIDS325	Assemble Laser and Optics		10.0d	25-Aug-21	09-Sep-21												
INSTALLATION AT JET			125.0d	09-Jun-21	02-Dec-21												
UKAEA Activities			125.0d	09-Jun-21	02-Dec-21												



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Activity ID	Activity Name	Role IDs	Original Duration	Start	Finish	2020			2021				2022			
						Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
LIDS329	Pre-assembly/ assembly Preperation Tasks		20.0d	09-Jun-21	06-Jul-21											
LIDS331	Pre-assemble Beamline System Components		20.0d	09-Jun-21	06-Jul-21											
LIDS335	Remote Installation of Target Plate	ERO, ERC, TOP	20.0d	02-Aug-21*	27-Aug-21											
LIDS341	Install Nd:YAG Laser into KZ3	SPE, SPD, TBS, EEL	20.0d	08-Oct-21	04-Nov-21											
LIDS343	Install Beamline System	TBS, SPE, EME, EES	20.0d	05-Nov-21	02-Dec-21											
Juelich Activities			40.0d	04-Aug-21	02-Dec-21											
LIDS363	Juelich Support for Installation of Nd:YAG and beamline System		40.0d	04-Aug-21	02-Dec-21											
BENEFITS & REALISATION			60.0d	21-Feb-22	18-May-22											
LIDS355	LIDS - Benefits & Realisation		60.0d	21-Feb-22	18-May-22											
COMMISSIONING/ HANDOVER			70.0d	03-Dec-21	18-Mar-22											
UKAEA Activities			50.0d	03-Dec-21	18-Feb-22											
LIDS345	Commisioning Nd:YAG Laser incl. CODAS and System Intergration	SPE, SPD, ELE	30.0d	03-Dec-21	21-Jan-22											
LIDS349	Handover Documentation	SPE, SPD, ELE	20.0d	24-Jan-22	18-Feb-22											
Juelich Activities			40.0d	24-Jan-22	18-Mar-22											
LIDS351	Support commisioning , SAT and Handover		20.0d	24-Jan-22	18-Feb-22											
LIDS353	Risk Allowance for Assembly, Installation & Handover		20.0d	21-Feb-22	18-Mar-22											

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 ◆ Milestone