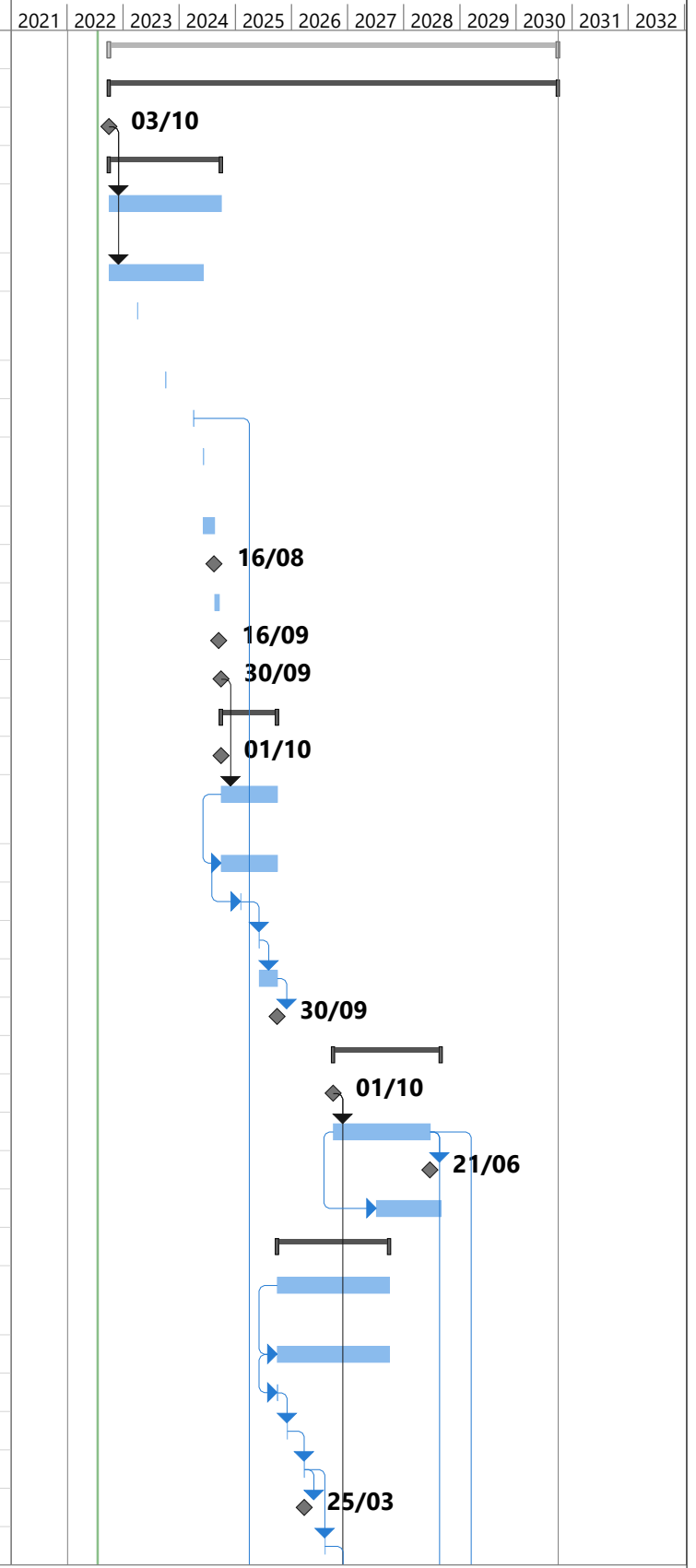
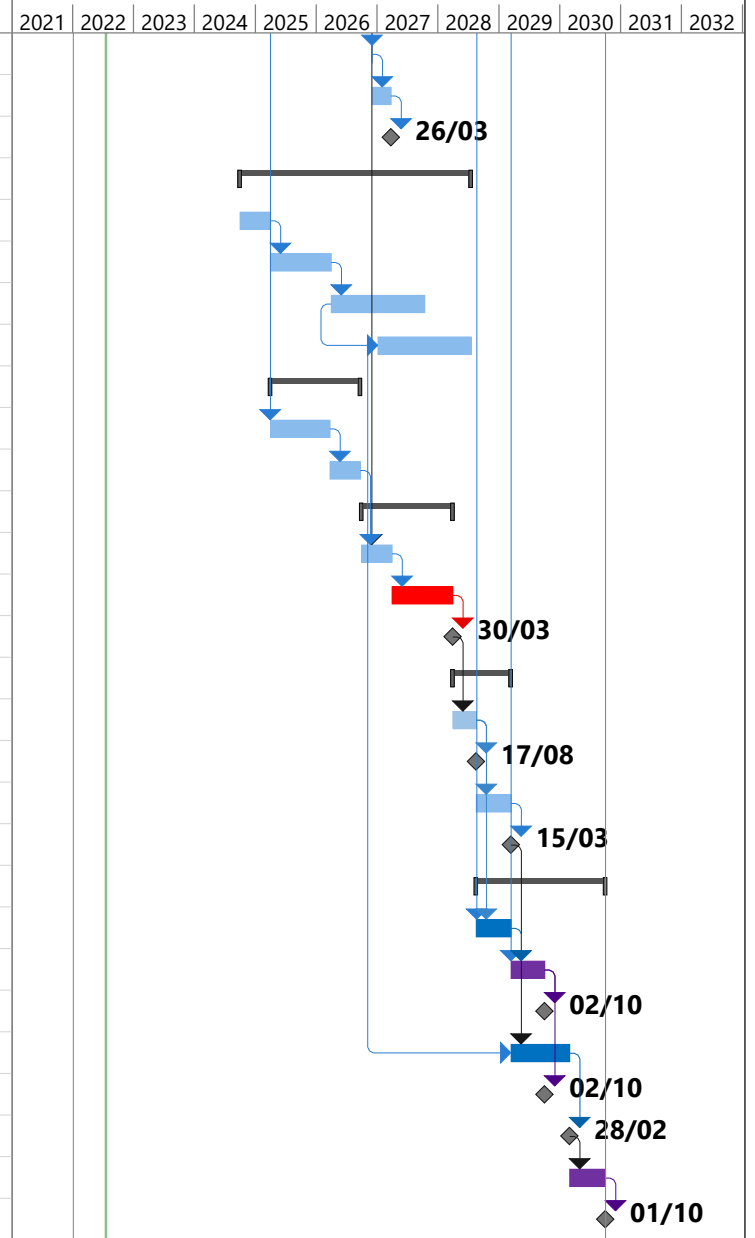


| ID | Task WBS | Task Name | Duration | Start | Finish | Predecessors | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | 2032 |
|----|----------|--|------------------|---------------------|---------------------|---------------|------|------|------|------|------|------|------|------|------|------|------|------|
| 0 | 0 | ITRF schedule | 2087 days | Mon 03/10/22 | Tue 01/10/30 | | | | | | | | | | | | | |
| 1 | 1 | ITRF | 2087 days | Mon 03/10/22 | Tue 01/10/30 | | | | | | | | | | | | | |
| 2 | 1.1 | Project Start | 0 days | Mon 03/10/22 | Mon 03/10/22 | | | | | | | | | | | | | |
| 3 | 1.2 | Conceptual Design Report (CDR) - 2 years | 521 days | Mon 03/10/22 | Mon 30/09/24 | | | | | | | | | | | | | |
| 4 | 1.2.1 | Project Management Plan; scope, specifications, risk, finance, stakeholders, deliverables ... | 521 days | Mon 03/10/22 | Mon 30/09/24 | 2 | | | | | | | | | | | | |
| 5 | 1.2.2 | Technical studies | 437 days | Mon 03/10/22 | Tue 04/06/24 | 2 | | | | | | | | | | | | |
| 6 | 1.2.3 | Preliminary Conceptual Design Review (6 months) - refine scope, specifications, define parameters and schematic diagram of facility equipment. | 2 days | Wed 05/04/23 | Thu 06/04/23 | | | | | | | | | | | | | |
| 7 | 1.2.4 | Interim Conceptual Design Review 1 (12 months) - specify baseline design | 2 days | Wed 04/10/23 | Thu 05/10/23 | | | | | | | | | | | | | |
| 8 | 1.2.5 | Interim Conceptual Design Review 2 (18 months) - refine specification & design | 1 day | Wed 03/04/24 | Wed 03/04/24 | | | | | | | | | | | | | |
| 9 | 1.2.6 | Final Conceptual Design Review (20 months) - final specification & design ready for CDR write up | 1 day | Wed 05/06/24 | Wed 05/06/24 | | | | | | | | | | | | | |
| 10 | 1.2.7 | Start CDR writing | 52 days | Thu 06/06/24 | Fri 16/08/24 | | | | | | | | | | | | | |
| 11 | 1.2.8 | Chapter authors complete CDR writing | 0 days | Fri 16/08/24 | Fri 16/08/24 | | | | | | | | | | | | | |
| 12 | 1.2.9 | Proof reading and final adjustments to CDR | 21 days | Mon 19/08/24 | Mon 16/09/24 | | | | | | | | | | | | | |
| 13 | 1.2.10 | CDR Publication | 0 days | Mon 16/09/24 | Mon 16/09/24 | | | | | | | | | | | | | |
| 14 | 1.2.11 | CDR phase complete | 0 days | Mon 30/09/24 | Mon 30/09/24 | | | | | | | | | | | | | |
| 15 | 1.3 | Stage 1 Technical Design Report (TDR) - 1 year | 261 days | Tue 01/10/24 | Tue 30/09/25 | | | | | | | | | | | | | |
| 16 | 1.3.1 | ** - Technical Design Funded (3 years activity) - ** | 0 days | Tue 01/10/24 | Tue 01/10/24 | | | | | | | | | | | | | |
| 17 | 1.3.2 | Project Management Plan; Scope, Specifications, Risk, Finance, Stakeholders, Deliverables ... | 261 days | Tue 01/10/24 | Tue 30/09/25 | 14 | | | | | | | | | | | | |
| 18 | 1.3.3 | Technical studies, engineering design, procurement management | 261 days | Tue 01/10/24 | Tue 30/09/25 | 17SS | | | | | | | | | | | | |
| 19 | 1.3.4 | Design Review 1 (4 month) | 1 day | Wed 05/02/25 | Wed 05/02/25 | 18SS | | | | | | | | | | | | |
| 20 | 1.3.5 | Design Review 2 (8 month) | 1 day | Wed 04/06/25 | Wed 04/06/25 | 19 | | | | | | | | | | | | |
| 21 | 1.3.6 | Write stage 1 TDR | 84 days | Thu 05/06/25 | Tue 30/09/25 | 20 | | | | | | | | | | | | |
| 22 | 1.3.7 | Stage 1 TDR Complete | 0 days | Tue 30/09/25 | Tue 30/09/25 | 21 | | | | | | | | | | | | |
| 23 | 1.4 | Stage 1 Procurement & testing | 500 days | Thu 01/10/26 | Wed 30/08/28 | | | | | | | | | | | | | |
| 24 | 1.4.1 | ** - Construction Project Funded - ** | 0 days | Thu 01/10/26 | Thu 01/10/26 | | | | | | | | | | | | | |
| 25 | 1.4.2 | Stage 1 Equipment Procurement | 450 days | Thu 01/10/26 | Wed 21/06/28 | 24 | | | | | | | | | | | | |
| 26 | 1.4.3 | Front end available for installation | 0 days | Wed 21/06/28 | Wed 21/06/28 | 25 | | | | | | | | | | | | |
| 27 | 1.4.4 | Stage 1 Offline Assembly & Testing | 300 days | Thu 08/07/27 | Wed 30/08/28 | 25SS+200 days | | | | | | | | | | | | |
| 28 | 1.5 | Stage 2 Technical Design - 2 years | 522 days | Wed 01/10/25 | Thu 30/09/27 | | | | | | | | | | | | | |
| 29 | 1.5.1 | Project Management Plan; Scope, Specifications, Risk, Finance, Stakeholders, Deliverables ... | 522 days | Wed 01/10/25 | Thu 30/09/27 | | | | | | | | | | | | | |
| 30 | 1.5.2 | Technical studies, engineering design, procurement management | 522 days | Wed 01/10/25 | Thu 30/09/27 | 29SS | | | | | | | | | | | | |
| 31 | 1.5.3 | Design Review 1 (4 months) part of TDR | 1 day | Wed 01/10/25 | Wed 01/10/25 | 30SS | | | | | | | | | | | | |
| 32 | 1.5.4 | Design Review 2 (8 months) part of TDR | 1 day | Wed 03/12/25 | Wed 03/12/25 | 31 | | | | | | | | | | | | |
| 33 | 1.5.5 | Design Review 3 (12 months) part of TDR | 1 day | Wed 25/03/26 | Wed 25/03/26 | 32 | | | | | | | | | | | | |
| 34 | 1.5.6 | Stage 2 TDR phase complete | 0 days | Wed 25/03/26 | Wed 25/03/26 | 33 | | | | | | | | | | | | |
| 35 | 1.5.7 | Design Review 4 (16 months) part of construction project | 1 day | Wed 05/08/26 | Wed 05/08/26 | 33 | | | | | | | | | | | | |



| | | | | | | | | | | |
|--|-----------|--|--------------------|--|-----------------------|--|--------------------|--|-----------------|--|
| Project: ITRF schedule Date: Wed 20/07/22 | Task | | Project Summary | | Manual Task | | Start-only | | Deadline | |
| | Split | | Inactive Task | | Duration-only | | Finish-only | | Progress | |
| | Milestone | | Inactive Milestone | | Manual Summary Rollup | | External Tasks | | Manual Progress | |
| | Summary | | Inactive Summary | | Manual Summary | | External Milestone | | | |

| ID | Task Name | Duration | Start | Finish | Predecessors | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | 2032 |
|----|---|-----------------|---------------------|---------------------|---------------|------|------|------|------|------|------|------|------|------|------|------|------|
| 36 | Design Review 5 (20 months) part of construction project | 1 day | Wed 02/12/26 | Wed 02/12/26 | 35 | | | | | | | | | | | | |
| 37 | Finalise technical design | 82 days | Thu 03/12/26 | Fri 26/03/27 | 36 | | | | | | | | | | | | |
| 38 | Stage 2 Construction design complete | 0 days | Fri 26/03/27 | Fri 26/03/27 | 37 | | | | | | | | | | | | |
| 39 | STAGE 2 Procurement & Testing | 991 days | Tue 01/10/24 | Tue 18/07/28 | | | | | | | | | | | | | |
| 40 | Tender & award contract for prototypes | 131 days | Tue 01/10/24 | Tue 01/04/25 | | | | | | | | | | | | | |
| 41 | Prototypes construction & test | 260 days | Wed 02/04/25 | Tue 31/03/26 | 40 | | | | | | | | | | | | |
| 42 | Stage 2 Equipment Procurement | 400 days | Wed 01/04/26 | Tue 12/10/27 | 41 | | | | | | | | | | | | |
| 43 | Stage 2 Offline Assembly & Testing | 400 days | Wed 06/01/27 | Tue 18/07/28 | 42SS+200 days | | | | | | | | | | | | |
| 44 | Building Specification & Architect Design | 386 days | Tue 01/04/25 | Tue 22/09/26 | | | | | | | | | | | | | |
| 45 | Specification & Layout (part of TDR) | 255 days | Tue 01/04/25 | Mon 23/03/26 | 8 | | | | | | | | | | | | |
| 46 | Architect design (part of TDR) | 131 days | Tue 24/03/26 | Tue 22/09/26 | 45 | | | | | | | | | | | | |
| 47 | Building Construction | 391 days | Thu 01/10/26 | Thu 30/03/28 | | | | | | | | | | | | | |
| 48 | Tendering & awarding buiding contract | 130 days | Thu 01/10/26 | Wed 31/03/27 | 46,24 | | | | | | | | | | | | |
| 49 | Construction building | 261 days | Thu 01/04/27 | Thu 30/03/28 | 48 | | | | | | | | | | | | |
| 50 | Building handover complete | 0 days | Thu 30/03/28 | Thu 30/03/28 | 49 | | | | | | | | | | | | |
| 51 | Radiation Shielding & Technical Services | 250 days | Fri 31/03/28 | Thu 15/03/29 | | | | | | | | | | | | | |
| 52 | Stage 1 Installation of shielding, technical services and PS system | 100 days | Fri 31/03/28 | Thu 17/08/28 | 50 | | | | | | | | | | | | |
| 53 | Building ready for equipment installation of Stage 1 | 0 days | Thu 17/08/28 | Thu 17/08/28 | 52 | | | | | | | | | | | | |
| 54 | Stage 2 Installation of shielding and technical services | 150 days | Fri 18/08/28 | Thu 15/03/29 | 52 | | | | | | | | | | | | |
| 55 | Building ready for equipment installation of Stage 2 | 0 days | Thu 15/03/29 | Thu 15/03/29 | 54 | | | | | | | | | | | | |
| 56 | Equipment Installation in Building & Commissioning with Beams | 553 days | Fri 18/08/28 | Tue 01/10/30 | | | | | | | | | | | | | |
| 57 | Stage 1 Equipment installation & testing in building | 150 days | Fri 18/08/28 | Thu 15/03/29 | 52,25 | | | | | | | | | | | | |
| 58 | Stage 1 Commissioning with Beams | 143 days | Fri 16/03/29 | Tue 02/10/29 | 57,25 | | | | | | | | | | | | |
| 59 | Start Research with Stage 1 - Low energy | 0 days | Tue 02/10/29 | Tue 02/10/29 | 58 | | | | | | | | | | | | |
| 60 | Stage 2 Equipment Installation, PS system and Testing in building | 250 days | Fri 16/03/29 | Thu 28/02/30 | 55,43SS | | | | | | | | | | | | |
| 61 | Stage 1 Commissioning with Beams complete | 0 days | Tue 02/10/29 | Tue 02/10/29 | 58 | | | | | | | | | | | | |
| 62 | Construction Project complete, ready to start Stage 2 Commissioning with Beams | 0 days | Thu 28/02/30 | Thu 28/02/30 | 60 | | | | | | | | | | | | |
| 63 | Stage 2 commissioning with beams | 153 days | Fri 01/03/30 | Tue 01/10/30 | 62 | | | | | | | | | | | | |
| 64 | Start Research with Stage 2 - Full energy | 0 days | Tue 01/10/30 | Tue 01/10/30 | 63 | | | | | | | | | | | | |



Project: ITRF schedule
Date: Wed 20/07/22

| | | | | | | | | | |
|-----------|--|--------------------|--|-----------------------|--|--------------------|--|-----------------|--|
| Task | | Project Summary | | Manual Task | | Start-only | | Deadline | |
| Split | | Inactive Task | | Duration-only | | Finish-only | | Progress | |
| Milestone | | Inactive Milestone | | Manual Summary Rollup | | External Tasks | | Manual Progress | |
| Summary | | Inactive Summary | | Manual Summary | | External Milestone | | | |