

TESLA Manpower Profile (received via Helen Edwards - 29nov01)

Public: info from Tesla TDR Fig 10.3.1 II-377

Sub-system - year	1	2	3	4	5	6	7	8	total
Main Linac	65	72	78	92	144	140	134	96	821
Main RF	37	81	118	197	217	217	207	200	1274
Injectors	48	58	94	128	125	125	132	138	848
Damping Rings	41	43	55	78	99	99	100	87	602
Beam Delivery	56	61	75	87	103	113	115	108	718
CI & Infrastructure *	66	89	123	164	206	204	196	185	1233
Auxilliaris	44	49	61	117	128	128	128	120	775
FEL Increment	49	49	69	92	111	113	101	78	662
total	406	502	673	955	1133	1139	1113	1012	6933

NOT Public: Dieter Trines said this was specifically NOT to be released

Group - year	1	2	3	4	5	6	7	8	total
Cavity									0
Controls									0
Instrum									0
Physics									0
Min (Injection)									0
RF									0
Coord Admin *									0
PowWatPSAir									0
Magnets									0
Installation									0
Kryo									0
Vakuu									0
total	406	502	673	955	1133	1139	1113	1012	6933

*** notes:**

CI & Infrastructure includes

Civil Engineering, Tunnel Installation, Cryogenics, and Power & Water

note also that there is typically a ACEM overhead fee on conventional construction (tunnels & buildings)

this is typically 13-15 % for buildings up to 50 M DM

and was 7% on the average for HERA

TESLA did include 40 M Euros for this in the cost estimate for tunnels & buildings

either for the Design/Build contractor or for a general contractor who subcontracted tasks

Coord Admin covers technical, not business/bureaucratic activities:

Safety, Civil Engineering, Coordination, and EDMS (electronic data management system)

note also, according to Helmut Krech, DESY/Business, via Helen Edwards, that

DESY and collaborating institutes will add approximately 10% of the total manpower estimate for Administration (business/bureaucracy). This 10 % of 6933 man-years = 700 man-years is **not** yet included in the 6933 man-year estimate.