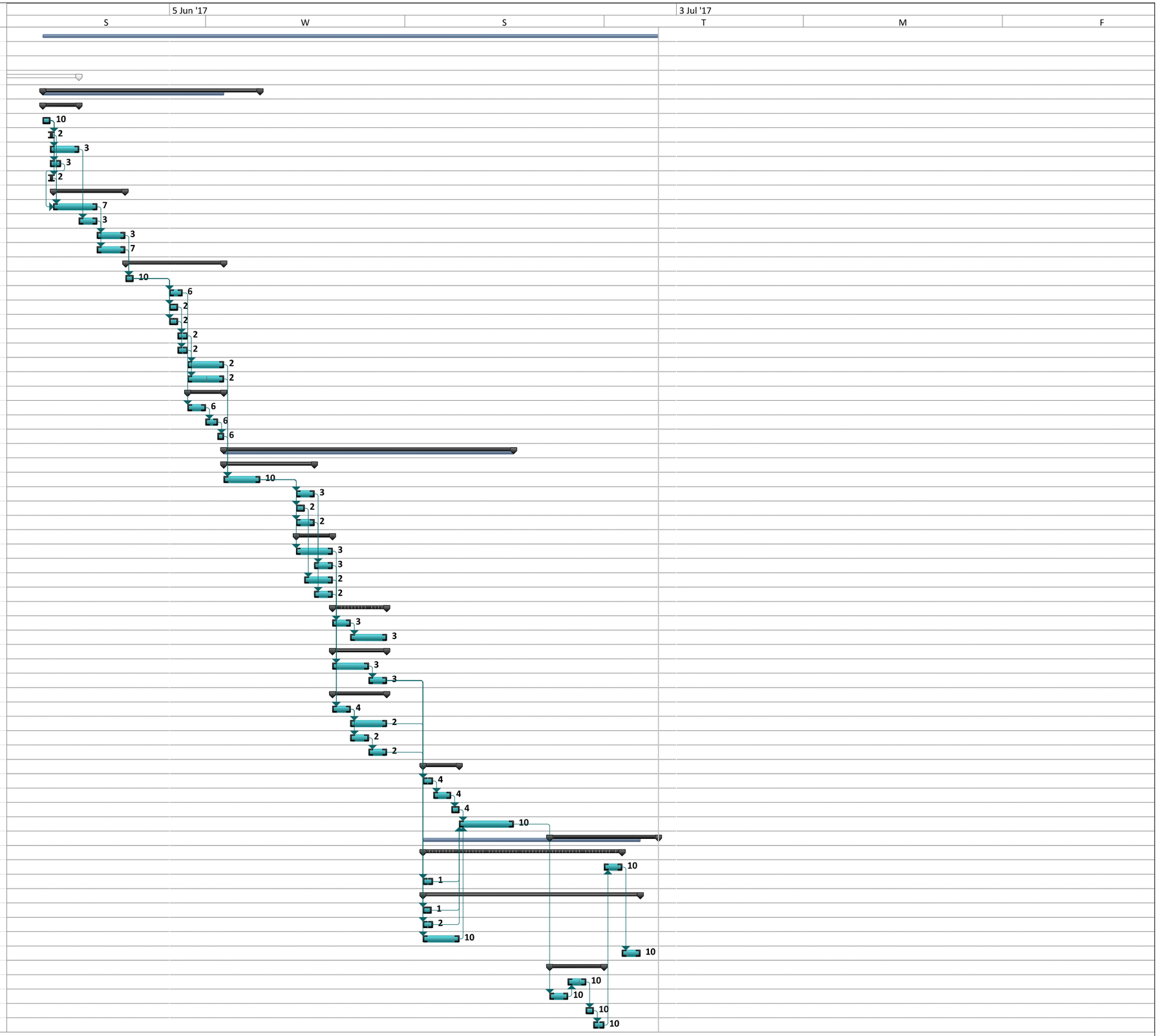ID	Task Name	Work	Duration
1	**Project Hybrid UAV**	**431 hrs**	**5 days?**
2	~~1. Project Start-Up~~	~~400 hrs~~	~~5 days~~
31	~~2. Project Definition~~	~~404 hrs~~	~~4,88 days~~
62	~~3. Conceptual Design~~	~~1.143...~~	~~17 days~~
89	**4. Conceptual Subsystem Design**	**157 hrs**	**9 days**
90	**4.1 Preliminary Design Phase Initialization**	**29 hrs**	**2 days**
91	4.1.1 Update technical task division and form subsystem teams	1 hr	1 hr
92	4.1.2 Generate compliance matrix	3 hrs	3 hrs
93	4.1.3 Generate H/W S/W block diagram	15 hrs	15 hrs
94	4.1.4 Perform risk analysis	7 hrs	7 hrs
95	4.1.5 Update resource allocation/budget breakdown	3 hrs	3 hrs
96	**4.2 Sub-system Conceptual Design**	**52 hrs**	**4 days**
97	4.2.1 Do concept generation	20 hrs	20 hrs
98	4.2.2 Perform parameter sensitivity analysis	8 hrs	8 hrs
99	4.2.3 Market analysis	12 hrs	12 hrs
100	4.2.4 Subsystem concept trade	12 hrs	12 hrs
101	**4.3 Sub-System Concept Integration Phase**	**60 hrs**	**2,5 days**
102	4.3.1 Technical team informing	4 hrs	4 hrs
103	4.3.2 Subsystem concept selection	8 hrs	8 hrs
104	4.3.3 Update function flow diagram	2 hrs	2 hrs
105	4.3.4 Update function break-down	2 hrs	2 hrs
106	4.3.5 Create electrical block	6 hrs	6 hrs
107	4.3.6 Create communcation flow diagram	6 hrs	6 hrs
108	4.3.7 Data handling block	16 hrs	16 hrs
109	4.3.8 Assembly and integration plan	16 hrs	16 hrs
110	**4.4 End-Conceptual Subsystem Design Phase**	**16 hrs**	**2 days**
111	4.4.1 Perform end-conceptual design per sub-system	8 hrs	8 hrs
112	4.4.2 Verify with required specifications	6 hrs	6 hrs
113	4.4.3 Perform necessary iterations	2 hrs	2 hrs
114	**5. Preliminary Design**	**208 hrs**	**12 days**
115	**5.1 Preliminary Subsystem Design Phase**	**34 hrs**	**3 days**
116	5.1.1 Perform preliminary design per subsystem	16 hrs	2 days
117	5.1.2 Make cost breakdown structure	8 hrs	1 day
118	5.1.3 Update operations and logistics concept description	2 hrs	2 hrs
119	5.1.4 Technical (CAD) drawings	8 hrs	8 hrs
120	**5.2 Performance Analysis**	**46 hrs**	**2 days**
121	5.2.1 Generate payload/range diagram	16 hrs	16 hrs
122	5.2.2 Generate flight envelope	8 hrs	8 hrs
123	5.2.3 Sustainability analysis	14 hrs	14 hrs
124	5.2.4 Analysis VTOL capabilities	8 hrs	8 hrs
125	**5.3 Structural Analysis**	**24 hrs**	**3 days**
126	5.3.1 Analyse critical structural components	8 hrs	8 hrs
127	5.3.2 Subject critical components to FEM analysis	16 hrs	16 hrs
128	**5.4 Manufacturing of Structural Components**	**24 hrs**	**3 days**
129	5.4.1 Consider manufacturing techniques	16 hrs	16 hrs
130	5.4.2 Select manufacturing method	8 hrs	8 hrs
131	**5.3 Control and Stability Analysis**	**40 hrs**	**3 days**
132	5.5.1 Aerodynamics charateristic analysis	8 hrs	8 hrs
133	5.5.2 Static stability	16 hrs	16 hrs
134	5.5.3 Dynamic stability	8 hrs	8 hrs
135	5.5.4 Controllability	8 hrs	8 hrs
136	**5.7 RAMS Characteristic Analysis**	**16 hrs**	**2 days**
137	5.6.1 Adress safety functions	4 hrs	4 hrs
138	5.6.2 Evaluate redundancy measures	8 hrs	8 hrs
139	5.6.3 Reliability and availability estimations	4 hrs	4 hrs
140	BUFFER	24 hrs	3 days
141	**6. Project Close-Out**	**66 hrs**	**6 days**
142	**6.1 Final Design Review**	**12 hrs**	**9 days**
143	6.1.1 Present final design	8 hrs	8 hrs
144	6.1.2 Final (updated) technical (CAD) drawings	4 hrs	4 hrs
145	**6.2 Final Report**	**30 hrs**	**10 days**
146	6.2.1 Update project Gantt chart	2 hrs	2 hrs
147	6.2.2 Project development logic	4 hrs	4 hrs
148	6.2.3 Final quality control	16 hrs	16 hrs
149	6.2.4 Updated version of final report	8 hrs	8 hrs
150	**6.3 Project Presentation**	**24 hrs**	**3 days**
151	6.3.1 Poster	8 hrs	8 hrs
152	6.3.2 Make presentation	8 hrs	8 hrs
153	6.3.3 Divide topics	1 hr	1 hr
154	6.3.4 Rehearse presentation	7 hrs	7 hrs