Project Gantt Chart

Project Months (in T0+ notation)	Year 1												Year 2												Year 3												Year 4											
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48

Milestones: MS1, MS2, MS3, MS4, MS5, MS6

Integration & Testing Weeks

Project Reviews: ◊ Review, ◊ Review, ◊ Review, ◊ Review

WP1: Application Requirement Spec. & Data Acquisition
- T1.1 End-user needs and requirements analysis — ◊ D1.1 — ◊ D1.2
- T1.2 Application analysis and requirement specification — ◊ D1.1 — ◊ D1.2
- T1.3 Definition and specification of system architecture — ◊ D1.1 — ◊ D1.2
- T1.4 System hardware and software components specification — ◊ D1.1 — ◊ D1.2

WP2: Vehicle Infrastructure
- T2.1 Vehicle platform setup — ◊ D2.1 — ◊ D2.3
- T2.2 Drive by wire functionality — ◊ D2.1 — ◊ D2.3
- T2.3 Low-level data acq., proc. & comm. framework — ◊ D2.1 — ◊ D2.3
- T2.4 High level system debugging \& maintenance framework — ◊ D2.2 — ◊ D2.4
- T2.5 Calibration & data integrity validation of the sensor system — ◊ D2.2 — ◊ D2.4
- T2.6 Reference sensor integration — ◊ D2.2 — ◊ D2.4
- T2.7 Vehicle maintenance and update

WP3: Cloud Infrastructure
- T3.1 Setup of project-wide development infrastructure — ◊ D3.1
- T3.2 Setup of hardware stack — ◊ D3.2(i) — ◊ D3.2
- T3.3 Design and impl. of the devel. and deployment tool chain — ◊ D3.3
- T3.4 Setup and implementation of a communication framework — ◊ D3.4
- T3.5 Setup and implementation of the bulk data storage service — ◊ D3.5

WP4: Perception
- T4.1 Specification and design of on-board sensing — ◊ D4.1(i) — ◊ D4.1
- T4.2 Spatio-temporal and appearance based low level rep. — ◊ D4.2(i) — ◊ D4.2
- T4.3 Perception adaptation to adverse visibility conditions — ◊ D4.2(i) — ◊ D4.2
- T4.4 Road infrastructure perception — ◊ D4.3(i) — ◊ D4.3
- T4.5 Real-time 3D terrain perception — ◊ D4.3(i) — ◊ D4.3
- T4.6 Road users perception & signaling detection — ◊ D4.3(i) — ◊ D4.3
- T4.7 Sensor fusion based perception refinement — ◊ D4.3(i) — ◊ D4.3

WP5: Lifelong Mapping
- T5.1 Mapping frontend — ◊ D5.1
- T5.2 Internal map representation — ◊ D5.1
- T5.3 Internal map storage — ◊ D5.1 — ◊ D5.2 — ◊ D5.3
- T5.4 Highly accurate metric localization — ◊ D5.2 — ◊ D5.3
- T5.5 Classification and aggregation of semantic data — ◊ D5.2 — ◊ D5.3
- T5.6 Map management and summarization — ◊ D5.2 — ◊ D5.3

WP6: Scene Understanding
- T6.1 Long-term semantic scene understanding — ◊ D6.1 — ◊ D6.2 — ◊ D6.3
- T6.2 Scenario based scene understanding — ◊ D6.1 — ◊ D6.2 — ◊ D6.3
- T6.3 Scene prediction — ◊ D6.1 — ◊ D6.2 — ◊ D6.3
- T6.4 Self-assessment — ◊ D6.1 — ◊ D6.2 — ◊ D6.3

WP7: Decision-making and Navigation
- T7.1 Route planning — ◊ D7.1 — ◊ D7.2
- T7.2 Tactical planning — ◊ D7.1 — ◊ D7.2 — ◊ D7.3
- T7.3 Trajectory planning — ◊ D7.1 — ◊ D7.2 — ◊ D7.3
- T7.4 Trajectory control — ◊ D7.1 — ◊ D7.2
- T7.5 Mission executive — ◊ D7.1 — ◊ D7.2 — ◊ D7.3

WP8: System Integration and Evaluation
- T8.1 Integration plan — ◊ D8.1 — ◊ D8.5
- T8.2 System-wide data acquisition — ◊ D8.2
- T8.3 Integration and test tools and processes — ◊ D8.3
- T8.4 System integration — ◊ D8.4 — ◊ D8.6
- T8.5 System evaluation and validation — ◊ D8.4 — ◊ D8.6

WP9: Dissemination and Exploitation
- T9.1 Management of knowledge — ◊ D9.2
- T9.2 Dissemination — ◊ D9.1 — ◊ D9.3 — ◊ D9.6(i) — ◊ D9.7(i) — ◊ D9.4 — ◊ D9.6 — ◊ D9.7
- T9.3 Exploitation — ◊ D9.5(i) — ◊ D9.5

Spiral Life Cycle Phase: Specification | Research & Development | Integration & Evaluation | Specification | Research & Development | Integration & Evaluation