

# FUNCTIONAL SAFETY

CASES

Electronic Steering Control Lock ASIL D	Electronic Brake System ASIL D	Electronic Power Steering ASIL D
Gateway Development ASIL – C	EV Charge communication Controller ASIL –B	Reengineering GNSS System ASIL B
Electronic Park Brake Tell-Tale ASIL B	Automatic Parking System ASIL – B	Digital Cluster ASIL – B
Window Lift ECU ASIL – A	Head Lamp SW ASIL – A	SunRoof Controlller ASIL – A
Rear View Camera System ASIL – A	Instrument Cluster ASIL – A	

## SCOPE

- Deriving functional safety concept & technical safety concept from safety goals
- System architecture design, SW & HW design to meet ASIL compliance
- Safety analysis to identify safety mechanisms in hardware and software
- Hardware architectural metrics, FTA, FMEDA, safety case
- Safety validation
- Tools - Reliability work bench-Isograph, Enterprise Architect, DOORS, Cadence, Tessy