

TASS Americas is currently seeking a candidate for :

Project Engineer

TASS Americas is looking for a dynamic individual to work on in house restraint system development projects.

Job Responsibilities:

- Build and validate frontal, side, rear, rollover and pedestrian System level models using MADYMO.
- Build and validate airbag and seat belt models using MADYMO.
- Conduct Design of Experiment (DOE) studies to optimize the restraint system
- Analyze occupant and structural data
- Analyze component, sled and crash test data.
- Compare occupant results to FMVSS, IIHS, EURO NCAP injury limits.
- Setup occupants in test and models per FMVSS or ECE testing procedures
- Integrate the restraint system with occupant and sensor data in one model.

Required Background & Education:

Masters of Science in Engineering, or equivalent/relevant work experience.

- 2 – 5 years MADYMO experience – able to build and validate frontal, side, rear, rollover and pedestrian models using MADYMO.
- 2 – 5 years of occupant safety experience – experience in airbags, seatbelt, deployment logic and analysis.
- 2 – 5 years experience in sled, crash and component testing
- Good communication skills.
- Desired vehicle dynamics experience (modeling)
- Task leadership and Team worker
- Both Automotive and Aviation experience is recommended
- Ability to make recommendations
- Technically innovative and self motivated
- Develop professional working relations with internal and external customers
- A good level of verbal and written English.
- Good knowledge of finite element methods, multi-body dynamics, explicit time integration methods and MADYMO Software.
- Good knowledge and working experience with CAE.
- Knowledge of other simulation software is desirable. (e.g. ABAQUS, LS-Dyna, Radioss, Pamcrash, Easi, LMS)

If you are interested in applying for this position, please send your resume and cover letter to Cindy Michon at cindy@madymo.com