Background

In most commercial vans the cargo space contains an additional flooring/wall lining made of wooden boards tailored after the specific car body. The function of the lining is to protect the vehicle’s body, and it also acts as a smooth floor for walking or materials transport, with a proper friction coefficient to avoid the risk of slipping. In addition, it is able to withstand high loads and the wear that occurs during materials handling in goods distribution vehicles.

Description of the project

In this project, the existing systems are studied, requirements will be defined and the choice of material will be made. The materials solution should be adapted to an injection molding process. This manufacturing method of the floor panels is chosen as it is a cost-efficient and stable process that enables lighter and less expensive flooring. The choice of materials will be optimized to obtain the lowest cost material that meets the functional requirements.

Time frame: The thesis covers 30 credits / 20 weeks (optional: 60 credits / 40 weeks)

Contact: Anders Carlsson Modul-System HH AB, phone: +46 31 7468718
E-mail: anders.carlsson@modul-system.com