HOME   DESTINATIONS   VACANCIES   TESTIMONIALS

Smart Cabling

Vehicle communication systems comprise a central multi-media switching unit and peripheral equipme
like radio's and headsets. Each type of peripheral equipment has a specific "profile" in order to make it
function correctly. Think about the required output gain or the microphone gain which differ per type c
equipment.

Currently this profile is configured and can be changed by the operator using an advanced user termin:
When replacing one device by another, the operator has to change the configuration profile.

The goal of this project is to enhance the cable with electronics in such a way the central multi-media
switching unit is able to detect the connected cable and the type of connected equipment.
The subject also covers the definition of the information to be stored, production aspects (how to crea
the cable), tooling to program the cable in a production environment.
Depending on the affinity of the candidate, focus may be applied to a specific topic in this area.

Job Requirements
The Student must be interested in:
Hardware, programming in C/C++, Java, Linux, embedded software

The Student must have experience with:
Programming, telecommunication, electronic design and datanetworking

About Thales:

Thales Land & Joint Systems is part of Thales Nederland and member of the international Thales Group
Thales is a global technology leader for the Aerospace, Space, Defence, Security and Transportation
markets and has approximately 68,000 employees in 50 countries. With its 25,000 engineers and
researchers, Thales has a unique capability to design, develop and deploy equipment, systems and serv
that meet the most complex security requirements.

Thales Land & Joint Systems develops and manufactures high quality integrated communication systen
for both commercial organisations and defence and has approximately 330 employees including 150
engineers working in Research and Development.