**THESIS PROJECT: Block Chain and dealer returns**

*Position Description:

**Background**
To secure parts availability at Dealer, the Volvo Group has implemented the Logistics Partnership Agreement (LPA) with its Dealer network. Dealers, which sign the agreement, accept that Volvo Group refill them automatically based on their sales forecast. In exchange, Volvo Group commits to clean dealer stock of part that will not sell; we call that step LPA Buyback.

Only Volvo genuine parts shipped from any Volvo group warehouses are eligible to LPA Buyback. This means that we must be able to track where parts are coming from. We currently trace parts eligible to the LPA buyback process using a formula, the buyback ceiling.

We do have a big challenge with this methodology as the information used is altered by several instances (eg. Invoice and credit notes) leading to quality issues/incorrect data. Consequently there is a low confidence in current buyback selection process.

**Thesis questions and expected outcome**
We would like the students to evaluate if block chain technology, within the Volvo Group Dealer network, can secure traceability on Volvo genuine parts regardless of how and where the parts been bought and shipped.

The students would review how block chain technology could be applicable together with studying the feasibility and impact on the current processes. Desired output is to have a proof of concept showing the possible impact on process, quality and performance.

**Learn more about the full Volvo Group DIM concept on**
[Dealer Inventory Management at Volvo Group, Service Market Logistics](#)

**Student profile**
Pair of Master students in Logistics and/or Computer Science, or similar fields

**Contact information**
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Application screening will start immediately; we look forward to receiving your application as soon as possible.

Requisition Details

*Entity :

Group Trucks Operations

*Target Start Date :

01-Jan-2019

*Last application date :

04-Dec-2018

*About Us :

The Volvo Group is one of the world’s leading manufacturers of trucks, buses, construction equipment and marine and industrial engines under the leading brands Volvo, Renault Trucks, Mack, UD Trucks, Eicher, SDLG, Terex Trucks, Prevost, Nova Bus, UD Bus and Volvo Penta.

Volvo Group Trucks Operations encompasses all production of the Group’s engines and transmissions, as well as all production of Volvo, Renault and Mack trucks. The organization is responsible for spare parts supplies to the Group’s customers as well as for designing, operating and optimizing logistics and supply chain for all brands, production facilities and distribution centers where the Volvo Group operates. In Volvo Group Trucks Operations you will be part of a diverse team of highly skilled professionals who work with passion, trust and embrace change to stay ahead. We make our customers win.