Master Thesis –
Global Asset Management at Ericsson

Background
Within Ericsson Internal Use, Lab Operations (R&D labs) and Group IT (Enterprise Infra) we have over 4500k physical items and in the Cloud distributed over physical locations around the globe. To keep track of that inventory including location, financial compliance, security, and utilization, we use different tools and underlying master data.

The existing tool landscape for Asset Management tools consists of different tools not fully connected or synced. As a result there is a limitation in getting a combined and accurate view of the installed based including its usage. The level of automatization in the existing tool landscape is low.

Thesis Description
The following steps are envisioned as part of the thesis work:

- Explore Pros and Cons with existing Asset Management tools
- Market analysis of the Asset management tools fit for our purposes – focus on high level of automation
- GAP analysis comparing existing tool landscape with the best in the industry
- Based on Business and other requirements propose changes in our Asset Management tool landscape
- The recommendation should be supported by cost and benefit analysis / Business Case.

The thesis will be concluded with a result presentation for the Global Ericsson Asset Management.

Qualifications
This project aims at students in industrial engineering, computer science, computer engineering or similar. Background in wireless communication is preferred.

Extent
1-2 students, 30hp each

Location
Ericsson AB Mjärdevi, Linköping

Preferred Starting Date
Spring 2021

Keywords
Telecommunication, Asset Management, Optimization, AI, Market Analysis, Business Case

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