At the Chair of Logistics and Supply Chain Management of TUM School of Management we are looking for an interested and qualified student to conduct his/her Master Thesis on the topic:

**Evaluation of Logistical Real-Estates Regarding Their Sustainability**

Increasing energy prices and their influence on life cycle costs of infrastructure and properties combined with a growing sustainability-awareness let companies (particular in the logistics-sector) revisit topics like ecology and energy efficiency, which are exposed to more and more internal and external environmental regulations. The thesis seeks to explore what is the gain of developing sustainable logistical real estates? How does design features affect the life cycle costs and how the evaluation process of logistical real estates?

First, a literature analysis critically summarizes the trends of the logistical real-estate market and ‘new’ requirements to the buildings. Current criteria of sustainable certificates (e.g. DGNB-certificate) shall be evaluated against economic, environmental and social dimensions. Second, sustainability criteria of logistical real-estates shall be developed and also tested with expert interviews. Third, results shall be incorporated into an evaluation tool for the logistical real-estates including sustainability aspects which helps to analyze how the identified criteria affect the life cycle costs and thus the property value.

**Selected research tasks:**

- To perform a scientific-driven literature analysis (e.g., logistical real-estate market, regulations, evaluation of sustainable investments in real estates, certificates)
- To carve out trends of logistical real-estates and strategies of the logistic companies (using an analysis with high rigor)
- To deduct criteria of logistical real-estates regarding their sustainability
- To assess sustainable criteria with expert interviews
- To set up an MS Excel-based tool to assess the sustainability of logistical buildings

**Requirements:**

A qualified candidate for the master thesis has as a profound interest in logistics and in the corporate real estate market. Professional work experience at one of the leading real-estate consultancies is a strong plus. The thesis could be written in German or (preferable) in English.

**Begin:** April 2013

**Advisor:** Dr. Martin Stößlein (martin.stoesslein@tum.de)

For further questions and selected literature on the topic, please see me in room 1547. Please send your application together with your curriculum vitae and transcripts of records by email.