A master thesis assignment.
The company CHESS (www.chess.nl), the research group FSA at the department
Computer Science and the Laboratory for Quality software are searching for a
master student to investigate the software infrastructure for parking meters. The
new generation of parking meters allow for different ways of paying. Paying is not
only possible by coins, but also by chip card or via mobile phone. This means that
parking meters are continuously interacting with a central computer system. It is
important that this communication is reliable and safe.

Chess, LaQuSo and FSA are interested in the question whether this parking meter
system can be redesigned such that the redesign can be certified. The prospective
master student is asked to make such a redesign without actually implementing any
code. A most likely approach is to formulate requirements and model the behavior
of the system in a language such as for instance mu-CRL.

The work will partly take place at CHESS, and mainly at the LaQuSo laboratory.

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