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## Vending Machine 2.0

They are the last saviors late at night, they're the heroes of our daily commute and not even a holiday keeps them from serving us: vending machines! No matter if we crave a cold beverage to stay hydrated or a snack to refill our energy reserves, vending machines are here to serve. Their variety knows no limit, there are vending machines for snacks, drinks, hot beverages, light bulbs and even gold ingots.

However, the vending machine as we know it is aging, and it's starting to show. A vending machine nowadays contains components from dozens of different companies, to keep up with the ever changing requirements. Cashless payment options, touchscreen interfaces, brewing modules and telemetry modules are just a few examples. All of these components attempt to extend the functionality of the vending machine, but they are forced to build on top of standards that were cutting edge back in the 80s. The platform on which vending machines are built is out of date and is holding back their true potential.

This is where you are needed: in collaboration with one of the worlds leading vending machine operators, you get the chance to design a new platform that enables future developments. Along with the design of a new platform you get to implement parts of it as a proof of concept. The goal is to test the platform developed by you in real world scenarios and propose it as a new standard for the vending industry.



**Requirements:** The student will work on location of the partner, surrounded by specialist that provide support and feedback. The student will be asked to come up with novel ideas and have the technical know-how to implement some of them. Good writing skills are required in order to formulate the platform specification and possible standard.

**Interested? Please contact us for more details!**

### Contacts

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