**Problem Definition**

* Problem scope:  
  The problem we had to solve is the fact that in Care-center Niemerije, getting in different rooms with keys is troubling, because the clients has to ask staff for those keys. This is inconvenient, because it costs a lot of time and for clients and the staff, this can be annoying.
* Technical review:  
  This problem is important, because the clients should be given a better service.  
  Detailed background:  
  Prior art: The prior art used is using physical keys. These keys only fit to one lock, or some fit to multiple locks.
* Design requirements

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| **Design requirement** | **Importance** | **Units** | **Marginal value** | **Ideal value** |
| Opens in 3 seconds |  | Seconds |  | 3 |
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**Design description**

**Evaluation**