Master thesis at Eldorado

Eldorado offers activities, culture, education and guidance to people with severe/profound intellectual disability. Eldorado's goal is to create increased opportunities for independent activity, participation and sense of agency of their life situation. Eldorado is a part of Social resursförvaltning in Göteborgs stad. [https://goteborg.se/wps/portal/enhetssida/eldorado](https://goteborg.se/wps/portal/enhetssida/eldorado)

In our multisensory rooms you can rattle with strings of pearls, create music with the help of customized technical and analogue instruments and jump on an audible trampoline that triggers projections on a wall. Technology can enable people with disabilities to interact with their environment that they otherwise wouldn’t be able to. Even though these people often would take great advantages of new technologies for participation and independence, the availability of the products are limited as well as the personnel's knowledge.

At the moment, new environments are being built in Eldorado because of a recent move. One of the new rooms has a nature theme, Gläntan. In the middle of the room there will be a tree with three holes. There is a possibility to create something to interact with in these holes. Maybe it's a squirrel that moves in the hole when someone approaches, and you can decide what song it will to sing with your speech generating device. One of the holes could be Batman's Batcave and when pushing a button, the Bat signal lights up or in one of the holes you can feel something that is hissing and sometimes spinning, changing color and temperature. Or maybe the holes will be filled with something completely different.

The purpose of the project is to create an experience of interaction and that one is tempted to try again. Many of Eldorado's visitors may need to try something several times over a longer period of time to perceive what is happening. Possibility of tactile experience, visual proximity and distinct expression is preferable. The room Gläntan is a public place and requires solutions to be durable and easy to clean.

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In the middle of the room Gläntan is the "mother tree". The room will act as a gathering place, activity and multisensory room.

The “mother tree” with three holes. A hole is near the floor, the other two at about one meter height on opposite sides of the tree. The tree is made in four sections. It can be opened to access the holes and shelves to add technology.