SymbiosisS /2010 - 2012

SymbiosisS ("S" for Seat) welcomes a voyager to sit and rest on the soft-folded material with an active, slowly shifting pattern. When excited, this pattern starts forming in a playful, curious way around the place where the textile was touched. Once the disturbance is abated the pattern continues its peaceful expansion.

This vivacious interaction of a vibrant pattern is a demonstration of the potential for tangible textile interfaces. Ubiquitous computation; an active, programmable secondary skin to surround everyday objects, is an ambient, "noiseless" thus vigorous way to visualize information and form space.

Ojavee & Oszvald:
Such smart Textile Interfaces follow the concept of ambient intelligence: smartness in everyday objects. Instead of using conventional devices for information delivery (such as screens, projections and kiosks) we can embed information to traditional interior elements and therefore eliminate the interruptive mediums. Instead of operating with restrained text based systems we believe the nature of these objects should define a more organic visual language. Our approach is based on how human vision, pattern recognition and clustering organizes shapes, directions, motion and quantitative appearance into a meaningful language. We follow the principles of gestalt psychology.

We design these materials in a customized form, aesthetics and function. We believe, by using organic materials, we improve the quality of our environment; by emphasizing slow and meditative technology, we improve the quality of our life.

Material:
layers of SymbiosisS consist of: 100% wool, silver coated conductive threads, copper coated fabric, 100% cotton, thermochrmic coating.
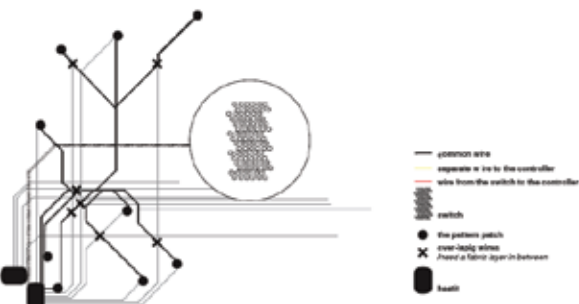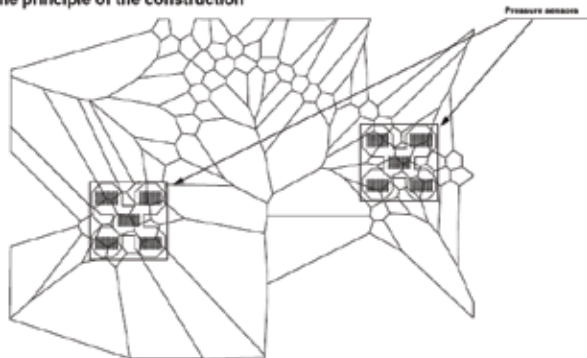Electronics: custom made Arduino based PCBs

Measures: **may vary depending on the needs. Currently two mock** ups are made 400 x 60 cm and 150 x 175 cm.

The principle of the construction

Pressure sensors

digital x physical