

The Concept of 360

Range of Motion

Complete 3 dimensional range of motion for the arms is crucial for an intuitive experience

Heat

To avoid sweating and maximize comfort, exoskeletons should minimize contact with body

Ease of Use

Simplicity, not just for wearing but also adjusting, is key to improve acceptance

Hygiene

Wearables are personal, and parts that come in contact with the skin should be easily washable / swappable

Weight

Goal is to ease physical work, so exoskeletons should strive to be as light as possible, preferable around 2 kg

Dynamic Activities

Key aspect for comfort is allowing flexibility in torso movements and minimize pressure points