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Design for (every)one: Co- designing Do-It-Yourself assistive technology (DIY-AT). A new multidisciplinary team to develop tools: the client, the OT and the designer

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Introduction: The phenomenon of product hacking has been around for a long time. The manifestation has drastically changed through several paradigm shifts which lead to open-design. Professional **designers** are no longer ranked above clients. In addition, **clients** have increasing expectations and growing empowerment what makes them experts as partners in this process. The derailment of **occupational therapy** with the bio- psychosocial thinking, completes this new process and leads to opportunities. A new generation of designers and occupational therapists are seizing this opportunity by producing product adaptations with the clients.

Objectives: The object of this study is twofold. Firstly to explore and form processes of DIY-AT and secondly to find facilitators for communication and collaboration while exploring the strengths and possibilities of the new team: client, OT and designer.

Method: Gather insights on co-design through case studies. Using a case study team consisting a client with a specific need, occupational therapy and industrial design students.

Results: The hacking activities explore new territories. Mismatches are leading to new understandings and identifies opportunities for new solutions. The circularity in the hacking process plays an important role in establishing trust and empathizing with all partners. Prototyping activities leads to engagement, fruitful relationships and sense of pride accomplishment. The basic idea is simple: make together and respect the unexpected.

Conclusion: Every team is developing a uniform terminology and a specific collaboration. Co-designing was experienced strongly positive by all team members.