Empowering Children Through Technology

Championing Inclusivity for All

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1,500 OR 4 out of 10,000 Babies born with upper limb reductions in the USA EACH YEAR

Challenges those with limb reductions may face

According to the Centers for Disease Control and Prevention's “Facts about Upper and Lower Limb Reduction Defects”

- Difficult development of **motor skills**
- Limitations in certain **movements, sports**
- Assistance with **daily activities**
- Emotional, social issues due to appearance
Limitations in certain movements, sports

Emotional, social issues due to appearance

Lower perceived competence

Empowerment with an “I Can Do” attitude

Bionic Arms
Personalized and artistic 3D-printed prosthetics that are EMG-powered

Project Xavier
EMG-powered wheelchair control mechanism that allows users to drive hands-free

Training Games
Accessible video games that train users on how to control their bionic arms

What We Do
“I can do.” | “Yes, they can.”