



195 Solutions



36% increase  
over 2023!

Top 3 Categories:



50  
Therapeutic  
Devices



42  
"Activities of Daily  
Living" Aides



41  
Mobility  
Solutions

# PELE: Personalized Equipment Leading to Empowerment

## Oriah's Story: Turning Pain into Purpose

Oriah, a teen from Netivot, was injured on October 7th by a mortar shell and lost two toes, leaving her with severe nerve pain that made standing for long periods unbearable. PELE engineers designed a custom sandal insert that dramatically reduced her discomfort, allowing her to move freely again. After cooking home-made Shabbat meals for soldiers for nearly four hours, she sent the PELE staff this heartfelt message:

"Thank you for giving me the ability to stand for hours preparing Shabbat meals for 50 soldiers—almost without needing any breaks!" - Oriah, PELE solution recipient





# Friends of ALYN Hospital

## SPECIAL 2024 EVENTS

In 2024, two PELEthons—intensive innovation sprints—brought together volunteers and experts to tackle accessibility challenges in just a few hours.

The **Tefillin PELEthon** developed assistive devices for soldiers who lost limbs, enabling them to lay tefillin independently.

The **Young Innovators PELEthon** led to creative solutions like a darbuka-playing system for children with limited hand mobility, a hands-free way to use a smartphone while walking with crutches, and an umbrella-opening mechanism for wheelchair users.



## FEATURED 2024 SOLUTIONS



This shoe adapted by PELE volunteers enabled an injured soldier to get back on his feet



Modular chairs designed by PELE are now in use with tens of toddlers with special needs



A 3D printed device can hold the limp fingers of a teen girl in place for easy nail polish application

## PELE: PERSONALIZED EQUIPMENT LEADING TO EMPOWERMENT

PELE, part of Alyn Hospital's Innovation Space, brings together professionals and volunteer "makers" to create custom, affordable solutions that empower children with physical challenges in daily life. Using a fully equipped workshop with 3D printers, laser cutters, carpentry tools, and more, PELE designs assistive devices tailored to each child's needs. These solutions are shared worldwide through an open-source platform, expanding accessibility to families and therapists globally.

For more information and to learn how you can support our work, please contact us at:  
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ALYN Hospital is one of the world's leading specialists in the active and intensive rehabilitation of children with disabilities. Only a portion of the actual cost of each child's care is reimbursed by Israel's health funds.