



Instalimb, Inc.

instalimb

- ❑ Address : Chiyoda-ku, Tokyo
- ❑ Employees : 3
- ❑ Established: March, 2017
- ❑ Business : Production, distribution, and sales of prosthetic legs made by 3D printers and AI

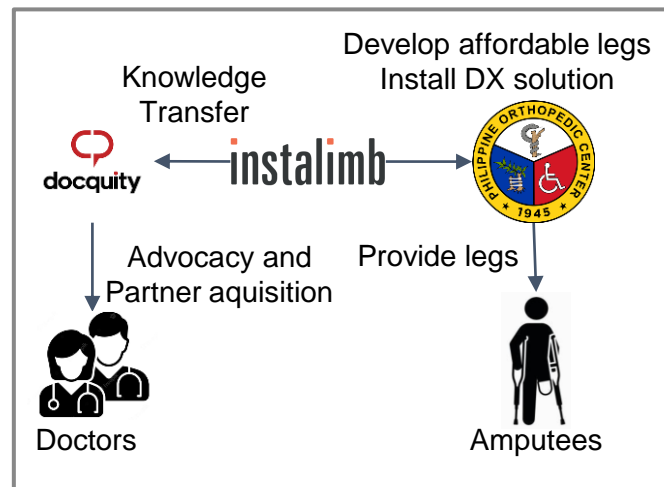
<https://www.instalimb.com/>

Outline of the demonstration project

- Digital Transformation for 3D printed prosthetic legs (Philippines)

Cooperation with local companies/governments

- Philippine Orthopedic Center (POC), the largest national orthopedic hospital in the country.
- Docquity, the largest doctor's community in Southeast Asia with over 350,000 registered doctors



Targeted economic / Social issues

- While there are approx. 760,000 lower limb amputees, only 7,000 prosthetic limbs are sold annually. Due to the chronic shortage of prosthetists and high capital investment costs, the price of a prosthetic leg has soared (approx. 250,000 yen, or 50% of the average annual income), which hinders prosthetic limb adoptions. Although the national health insurance system provides a subsidy of approx. 40,000 yen, its amount is insufficient, as evidenced by the fact that only 83 people used the system in 2016 and 2017. The high out-of-pocket costs are a bottleneck to increase the rate of prosthetic leg use.

Details of demonstration

- We pioneered a manufacturing scheme using 3D technology to produce high-quality prosthetic limbs at ultra-low prices.
- In collaboration with POC, we will develop low-cost prosthetic legs that are covered by insurance and transfer the manufacturing technology to POC to raise its market penetration rate.
- With Docquity, we are raising awareness campaigns and webinars to promote digital prosthetic manufacturing technology, which is still poorly recognized among doctors.

Expected outcome of beneficiary effects

- Launch of the country's first ultra-low-cost prosthetic legs that can be purchased with the amount covered by insurance (the market is expected to increase from 7,000 to 70,000 units per year).
- Improving the utilization rate of national health insurance.
- Our manufacturing technology can produce prosthetic legs with 1/10th of the resources, and if it is introduced throughout the country, the manufacturing capacity will increase more than 10-fold, which will meet the demand in ASEAN countries as well as in the country.