ENForce

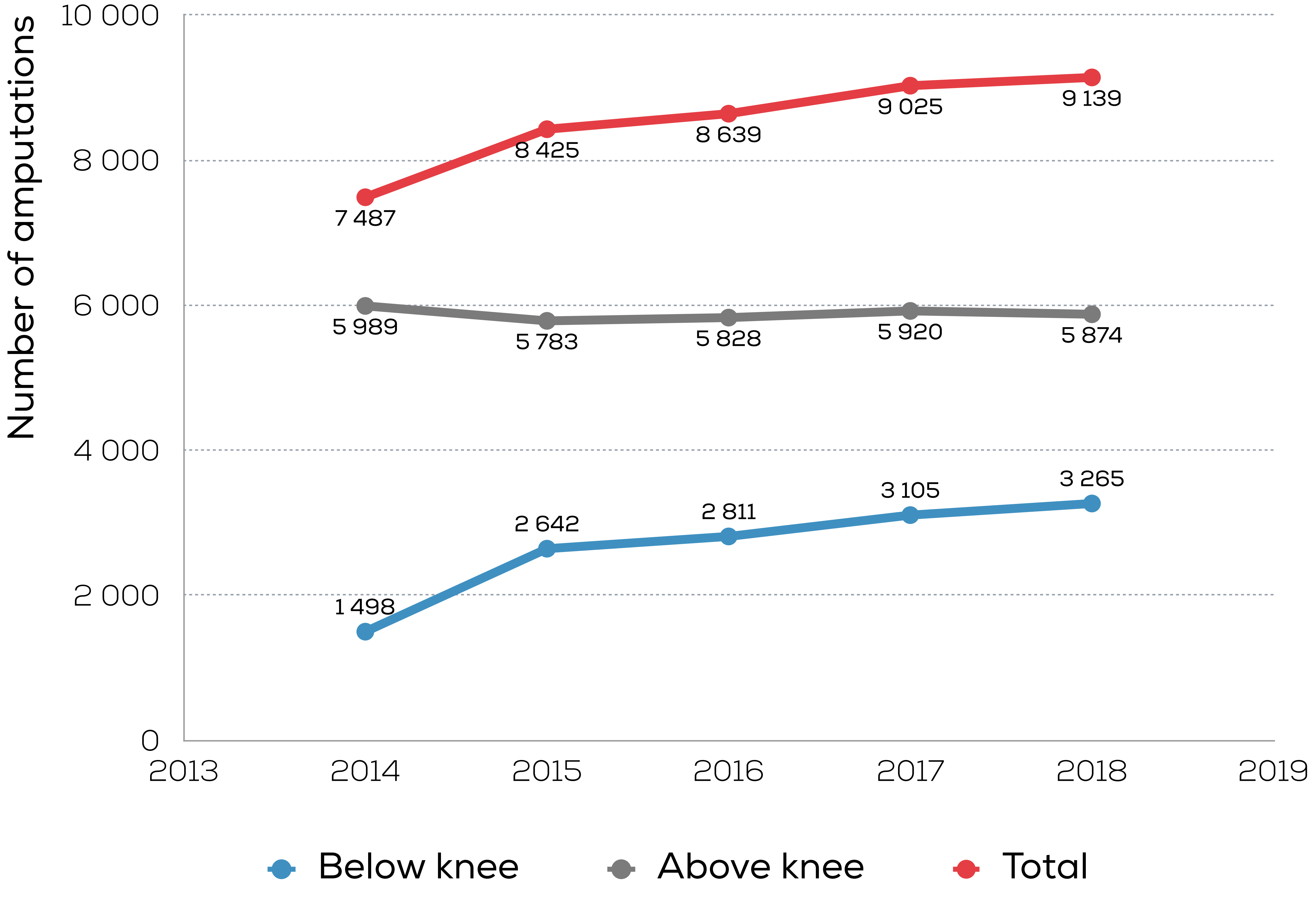
MOST ADVANCED SOLUTIONS IN THE FIELD OF LOWER LIMB PROSTHETICS

ADAM GRAMALA, COO OF ENFORCE MEDICAL TECHNOLOGIES

LOWER LIMB AMPUTATION STATISTICS IN POLAND

DATA ACCORDING TO THE NFZ REPORT FROM 2018

Number of amputations by level



Percentage of amputations above and below knee performed in 2018 by voivodship

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CURRENT MARKET OF LOWER LIMB PROSTHESES

Prosthesis type	SACH
Set cost	30 000 PLN
Weight of one piece	2,5 kg
Shock absorption	No
Clearance between prosthesis and stump	15 mm
Maximum patient activity without pain	500 steps per day

Prosthesis type	SACH
Set cost	15 600 PLN
Weight of one piece	2,2 kg
Shock absorption	No
Clearance between prosthesis and stump	15 mm
Maximum patient activity without pain	0 steps per day, wounds on stump

ENFORCE DYNAMIC FOOT

COMPOSITE FOOT PROSTHESIS

CE

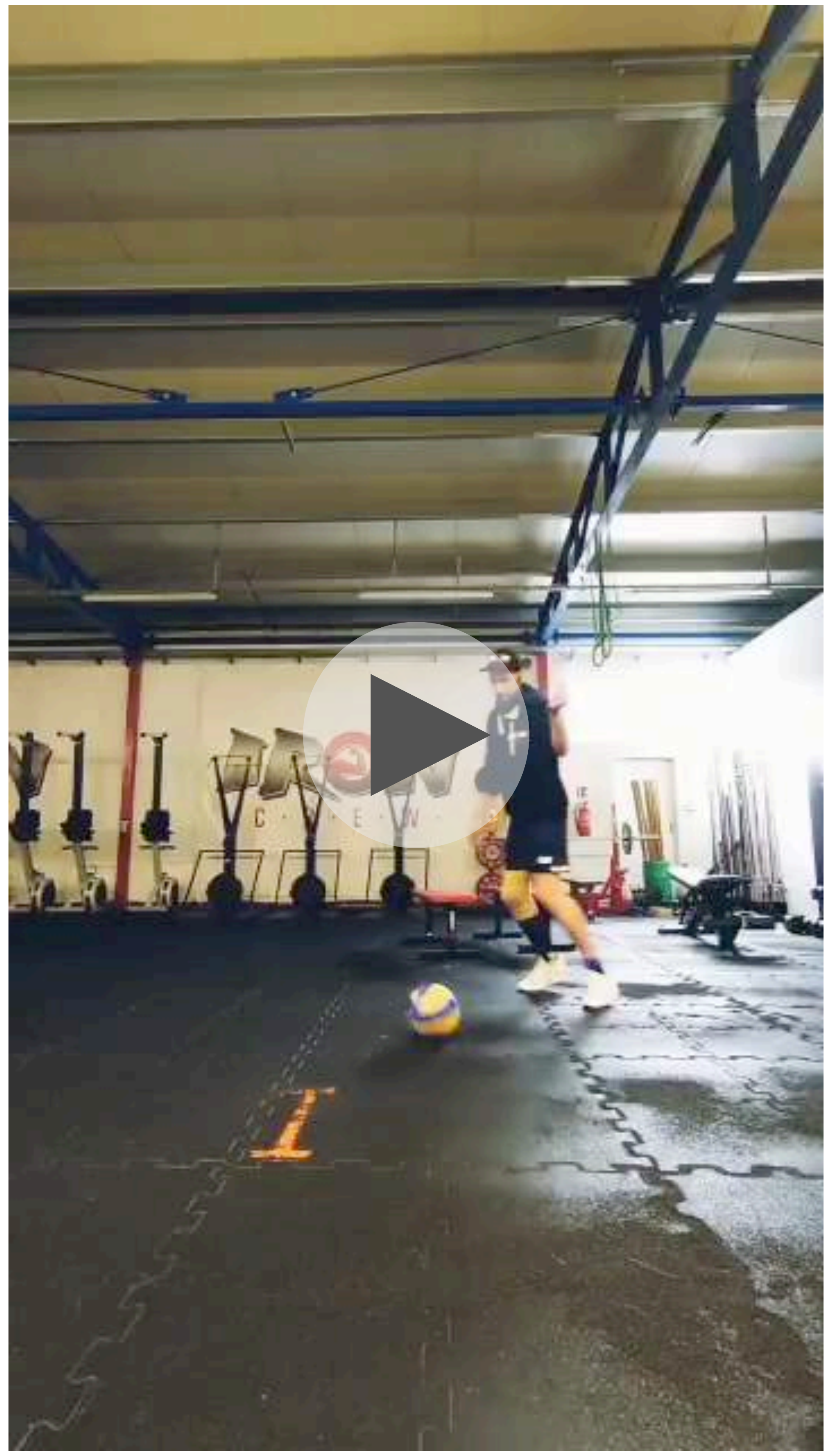
The use of ultra-light, durable **aircraft aluminum** in the adapters and the tube increases the durability of ENforce prostheses.

Carbon fiber composite combined with a light core creates a very high strength and low weight material.

All components are corrosion resistant and provide dust protection as well as water resistance in accordance with the **IP68**.

THERE ARE NO LIMITS TO OUR PROSTHESES

SNOWBOARDING AND FOOTBALL PLAYING IN ENFORCE DYNAMIC FOOT PROSTHESIS



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ENFORCE BIONIC FOOT

ELECTRONIC FOOT PROSTHESIS

The prosthesis allows the **ankle flexion** in the range of 25° (dorsal flexion) and 20° (plantar flexion). Therefore, no ramp will be an issue.

The innovative microprocessor-controlled hydraulics make the gait as natural as possible. The prosthesis **adjusts in real time to uneven terrain**.

The mobile application allows the prosthesis to be **automatically updated** and **adapted to the footwear** thanks to the calibration module.

PATIENT'S GAIT DURING TESTS

IN THE ENFORCE DYNAMIC FOOT PROSTHESIS

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ENFORCE SOCKET

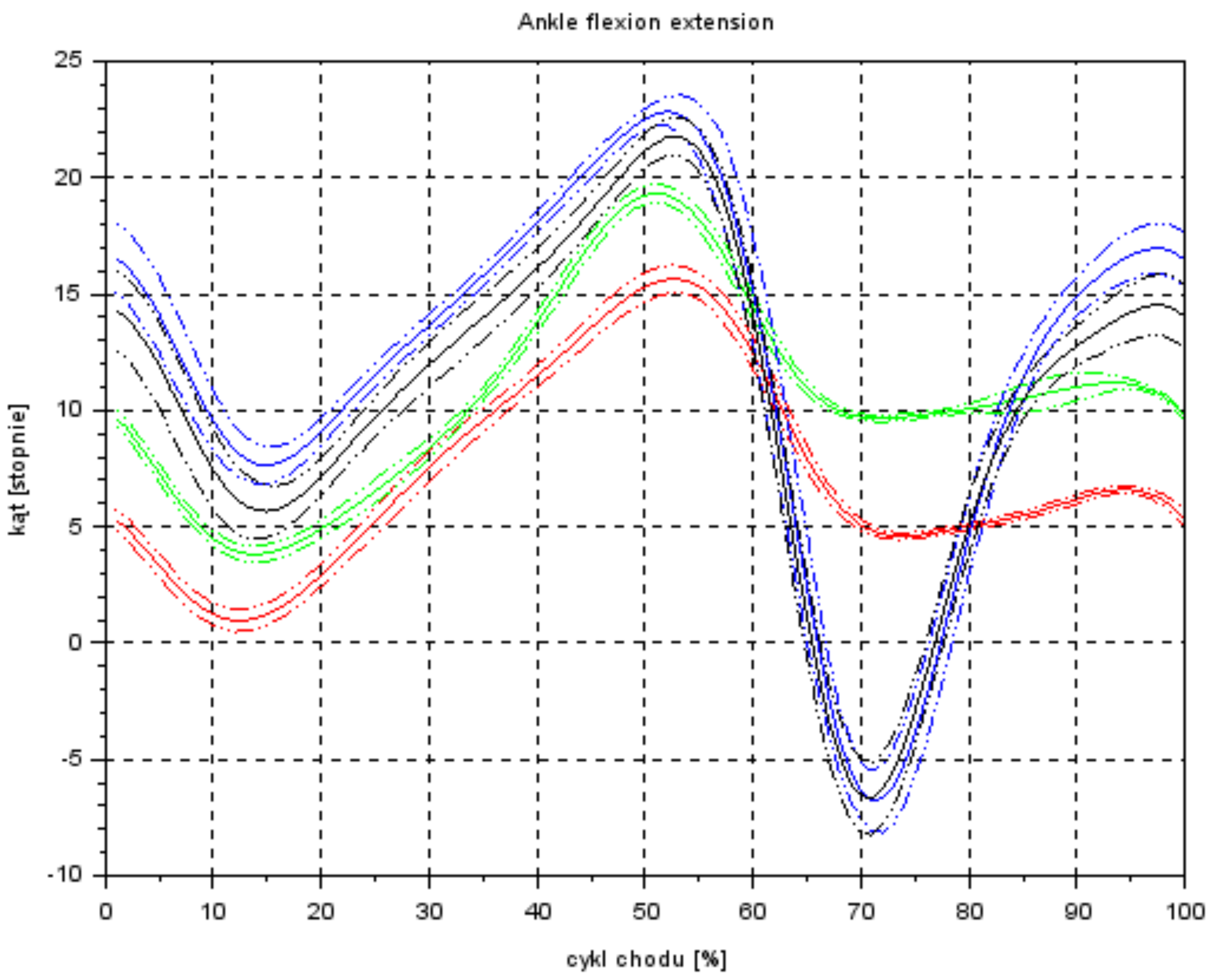
INDIVIDUALLY FITTED PROSTHETIC SOCKET

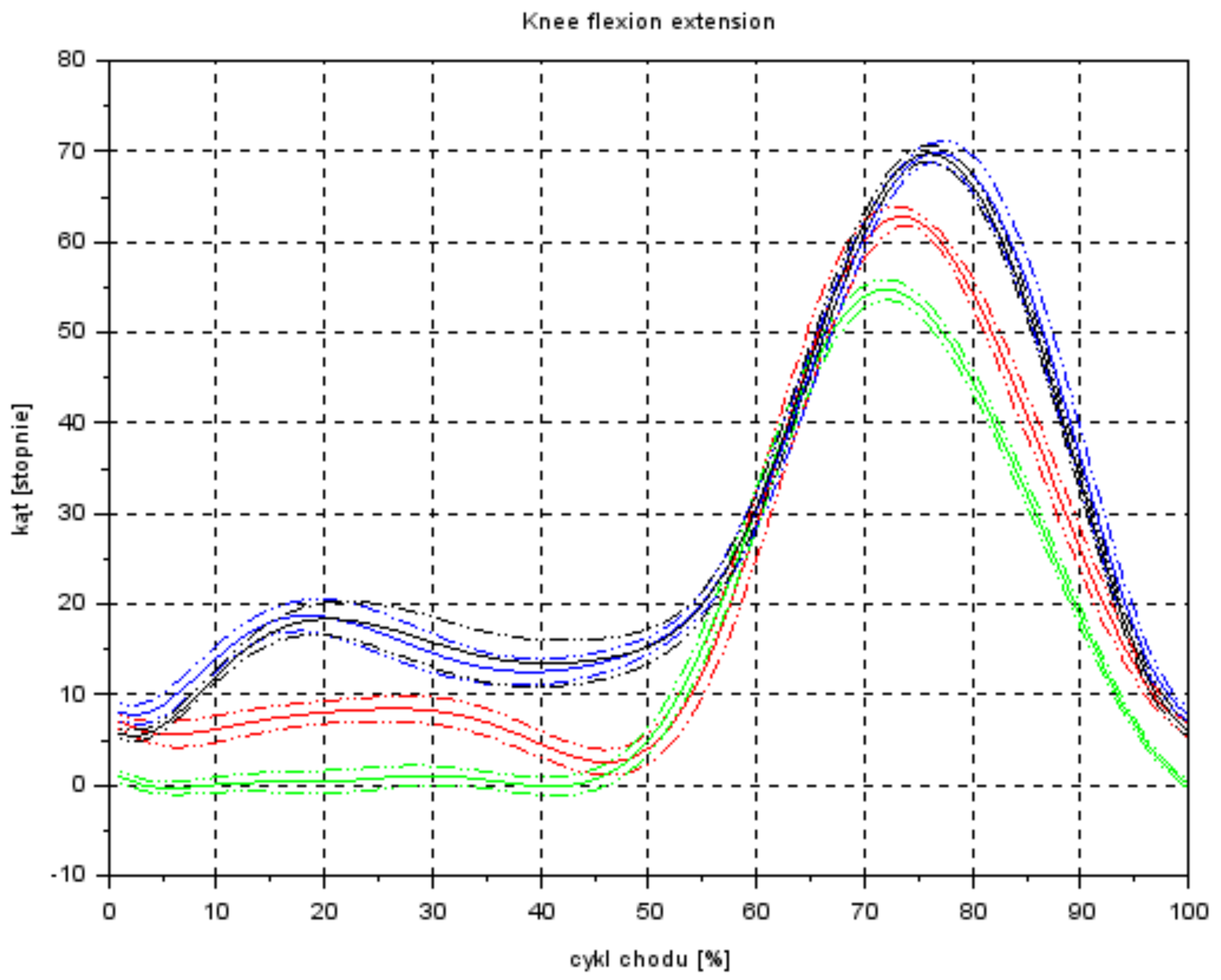
Thanks to the use of ecological and waste-free 3D scanning technology, the vacuum prosthesis socket **constantly adheres to the patient's stump**.

The combination of modern high-strength materials guarantees the **user's safety**. ENforce sockets withstand a pressure of 10 kN (approx. 1 ton).

LOWER PRICE AND HIGHER QUALITY – BIOMECHANICAL GAIT ANALYSIS

IN THE ENFORCE DYNAMIC FOOT AND A COMPETITIVE PROSTHESIS (52,000 PLN)





Healthy right limb

Left limb in ENforce Dynamic Foot prosthesis

Healthy right limb

Left limb in a competitive prosthesis

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POST-AMPUTATION CARE PROCEDURE

STEP 1

Lower limb amputation in the hospital

6–8 weeks

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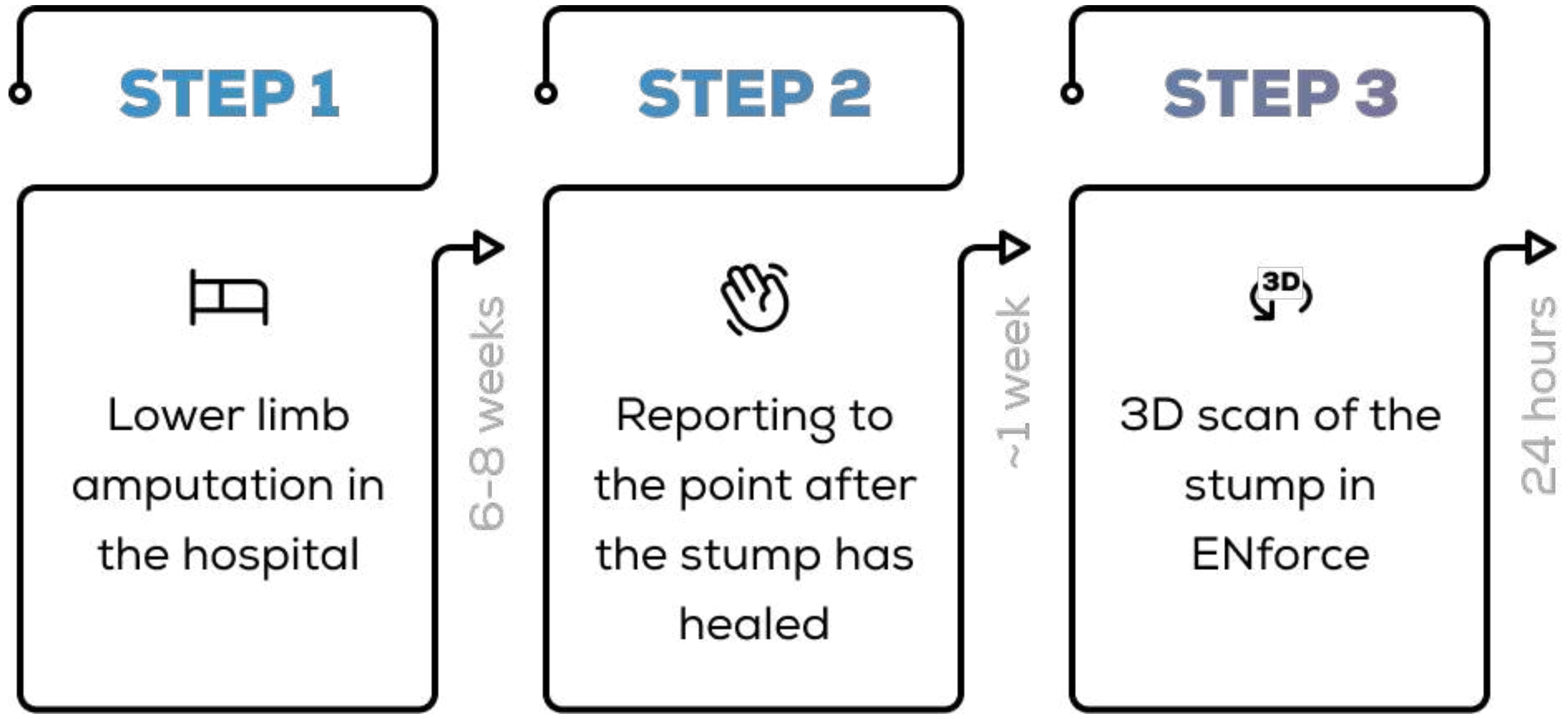
STEP 2

Reporting to the point after the stump has healed

~1 week

POST-AMPUTATION CARE PROCEDURE



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POST-AMPUTATION CARE PROCEDURE

STEP 1

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6–8 weeks

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Reporting to the point after the stump has healed

~1 week

STEP 3

3D scan of the stump in ENforce

24 hours

STEP 4

Production and fitting of a 3D printed socket

4 days

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Manufacture of the foot prosthesis and the final socket

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STEP 6

Prosthesis' adjustments to patient and walking classes

4-8 weeks

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STEP 7

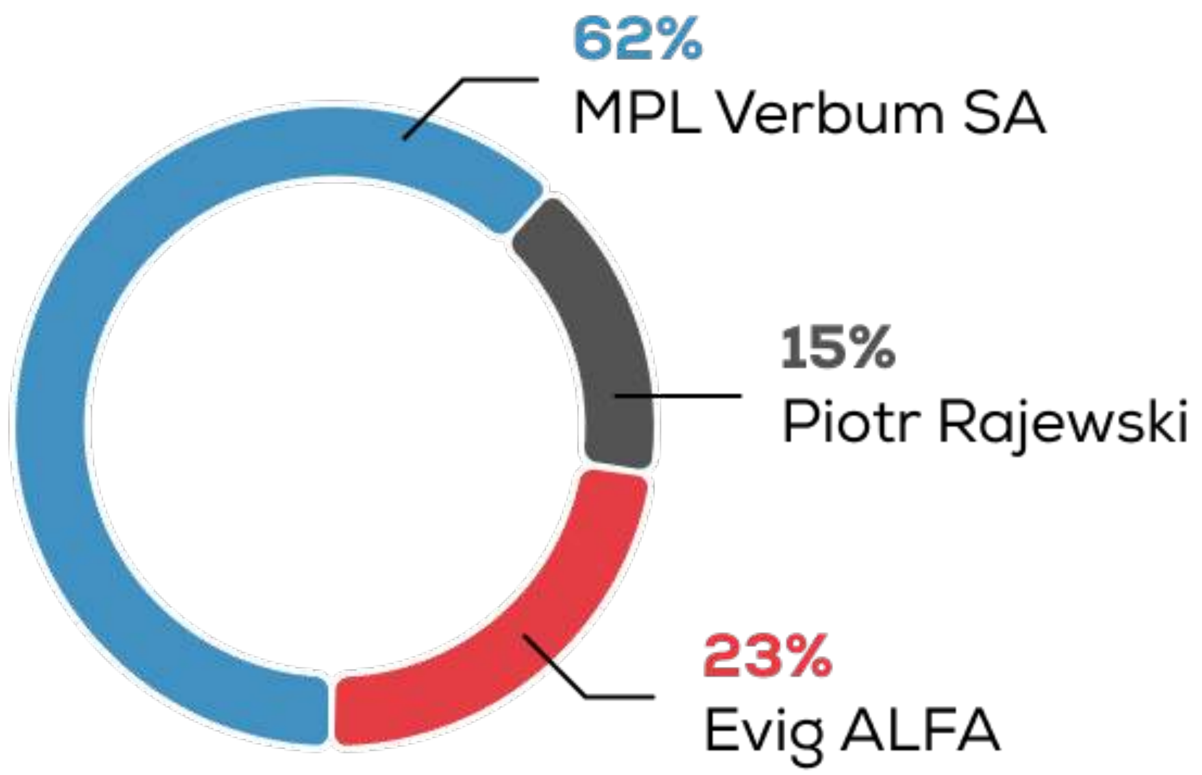
Settings verification and further rehabilitation

Replacement of the socket after the stump's dimensions change as a part of ENforce prosthetic care

REVENUE FORECAST

Projected values	2022/2023	2023/2024	2024/2025	2025/2026	2026/2027
Sales of prostheses [pcs.]	100	300	490	760	1 100
Sales value [PLN]	662 000,00	3 909 000,00	6 820 000,00	10 695 000,00	15 500 000,00
Financial result [PLN]	-595 257,22	-273 259,62	536 226,28	2 427 221,40	4 979 493,84
EBITDA [PLN]	-355 257,22	212 740,38	1 022 226,28	2 958 221,40	5 465 493,84

Current share structure



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INVESTMENT NEEDS

1

1st round of financing in fourth quarter of 2022 to start sales and production

2 250 000 PLN

- Purchase of machines for production and prosthetic point - own contribution to PARP (**PLN 1.5 mln**).
- A prototype of a bionic knee prosthesis - own contribution to the NCBiR (**PLN 0.75 mln**).

2

2nd round of financing in fourth quarter of 2023 to rescale sales

2 600 000 PLN

- TÜV audit, clinical trials before the start of export (**PLN 0,4 mln**).
- Development of the first polish prosthetic foot for running (**PLN 1,0 mln**).
- Building a sales network and 5 ENforce prosthetic points (**PLN 0,75 mln**).
  Entrance to NewConnect (**PLN 0,2 mln**).
  Marketing (**PLN 0,25 mln**).

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OUR TEAM

TOTAL WORK HOURS SINCE SEPTEMBER 2018: **52 981,3**


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