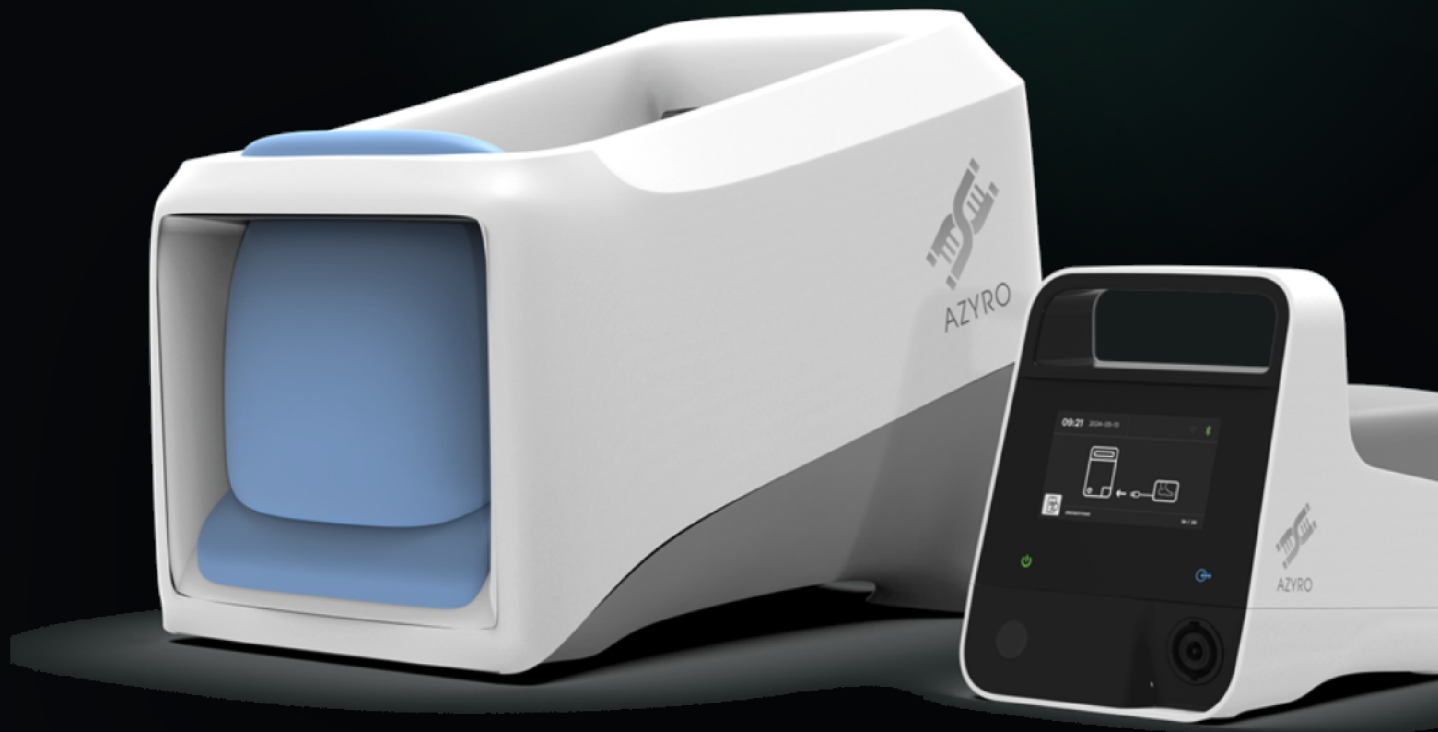




# Chronic infected wounds

PIONEERING BIOELECTRONIC MEDICINE

Magnetic-field for infected chronic wounds. Modular application device for hospital and outpatient care.



CERTIFIED BY  
**TÜV SÜD · Germany**

ISO 13485 · EU PATENT EP4400155  
DESIGNED IN LUXEMBOURG

## [ THE PROBLEM ]

### Diabetic foot ulcers: a growing global crisis

Chronic wound care is among the most cost-intensive areas of health care, and prevalence is rising.

# 589M

Adults aged 20 to 79 living with diabetes worldwide

**~10K €**

Average annual cost of DFU care per patient

**+45%**

Projected increase in diabetes by 2050

\* Source: IDF Global Diabetes Atlas

## [ CURRENT TREATMENT ]

### Efficacy and burden of current treatment

- ⚠ Topical antiseptics do not reach the deep wound pockets and biofilm where bacteria persist.
- ⚠ Rising antimicrobial resistance reduces the clinical efficacy of standard systematic antibiotic regimens.
- ⚠ Frequent dressing changes increase treatment burden and cost and are associated with reduced treatment adherence.

10 µm

[ OUR SOLUTION ]

# Magnetic-field for infected chronic wounds

Modular application device for hospital and outpatient care.

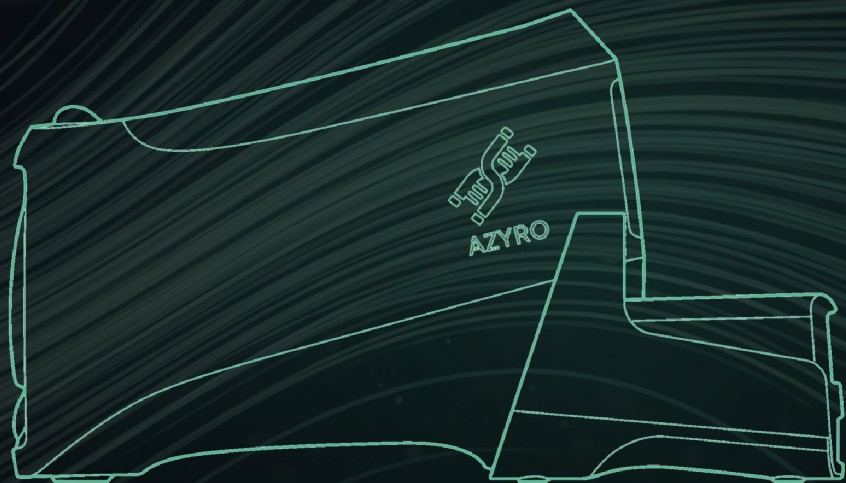
PRECLINICAL VALIDATION • SEM-CONFIRMED ON MRSA

EU PATENT EP4400155

ISO 13485

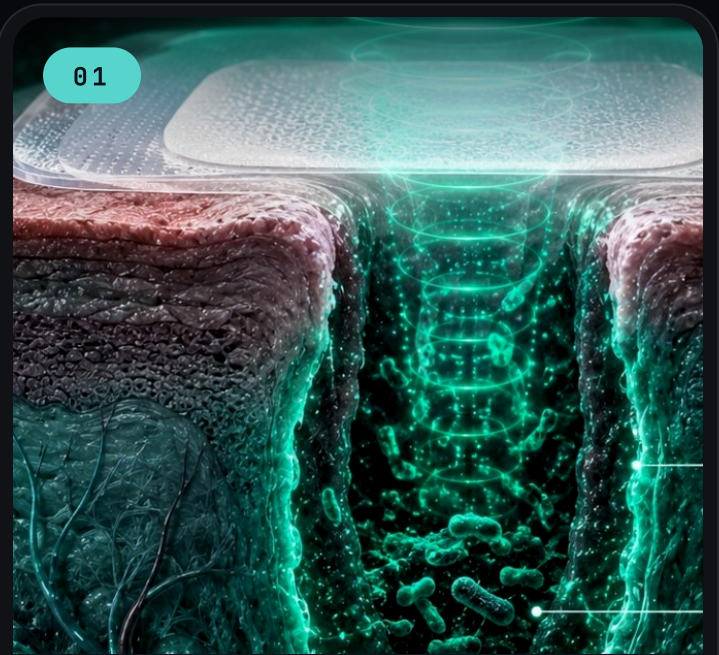
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[ HOW IT WORKS ]

## The therapy, in three steps



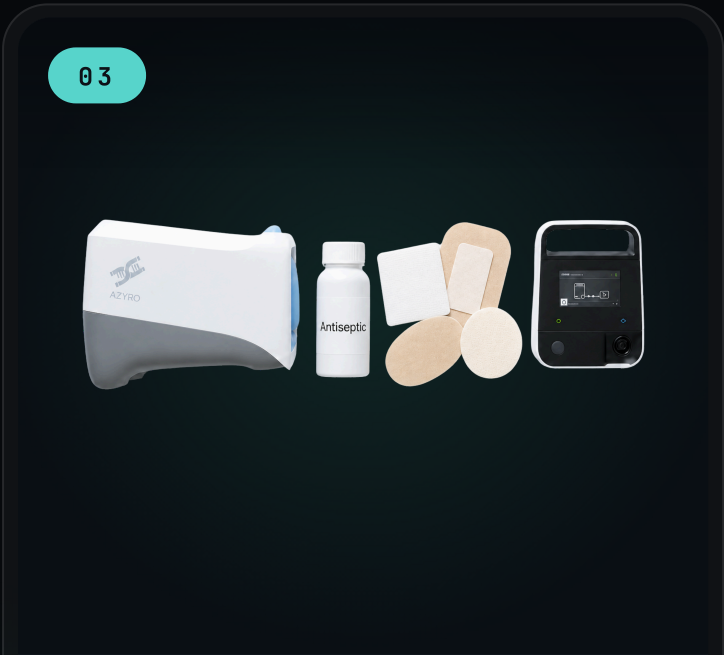
### Wound pockets.

A magnetic field is not blocked by wound dressings. The therapy reaches the wound bed through the closed dressing, into the deep wound pockets and biofilm which typical antiseptics do not reach.



### Disrupts bacterial cell walls.

The field permeabilises the bacterial cell wall and improves antimicrobial efficacy against biofilm-forming bacteria.



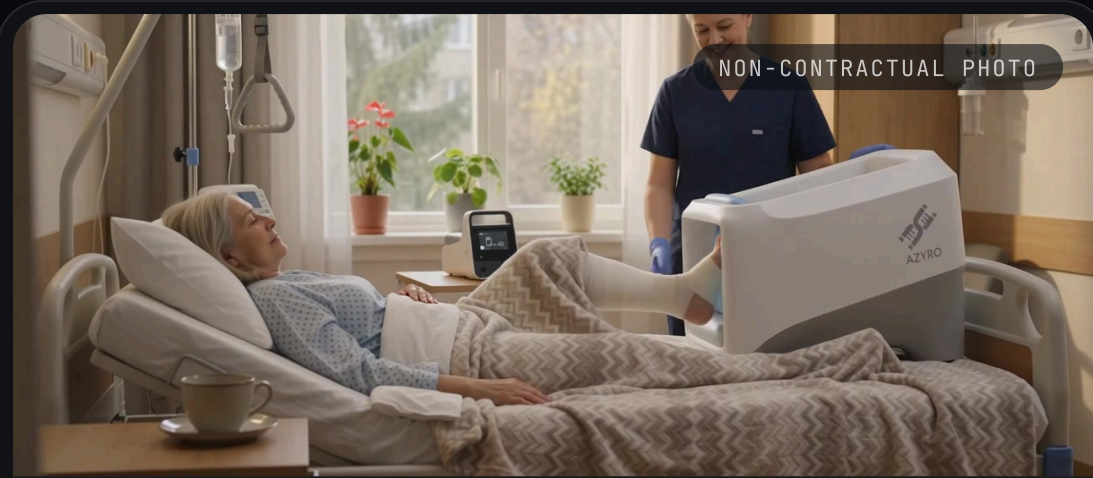
### Potentiate.

Azyro is used alongside the antiseptic already in use and increases its efficacy.

[ IN PRACTICE ]

# Use in hospital and outpatient settings

The same 30-minute daily protocol is applied in hospital and at home, with the same device.



## Hospital · Acute care

Single-operator and simple set-up. Treatment is delivered through the dressed wound.



## Home care

Portable, plug-and-play. Patients continue the same 30-minute daily protocol at home.

[ PRECLINICAL EVIDENCE ]

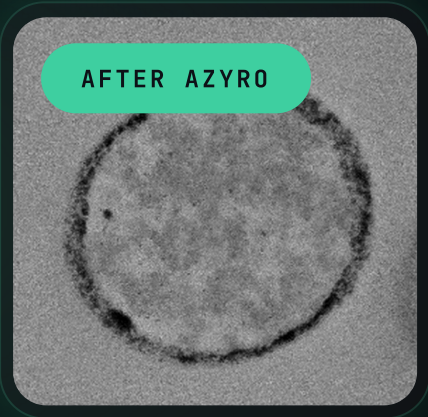
# Cell wall disruption under electron microscopy

Scanning electron microscopy of *S. aureus* after in vitro exposure to the Azyro magnetic field shows discontinuous cell wall structures and loss of integrity.



S. Aureus - Control

AZYRO  
MAGNETIC FIELD



S. Aureus - Treated

[ PARTNER WITH US ]

# Join us, and be part of our journey

Infected chronic wounds are a persistent unmet need. We are developing a new treatment principle to close that gap. Ask us for the preclinical data and the clinical development plan.

RISING DIABETES

AGEING AND LIFESTYLE

AMR PRESSURE

TREATMENT GAP

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