

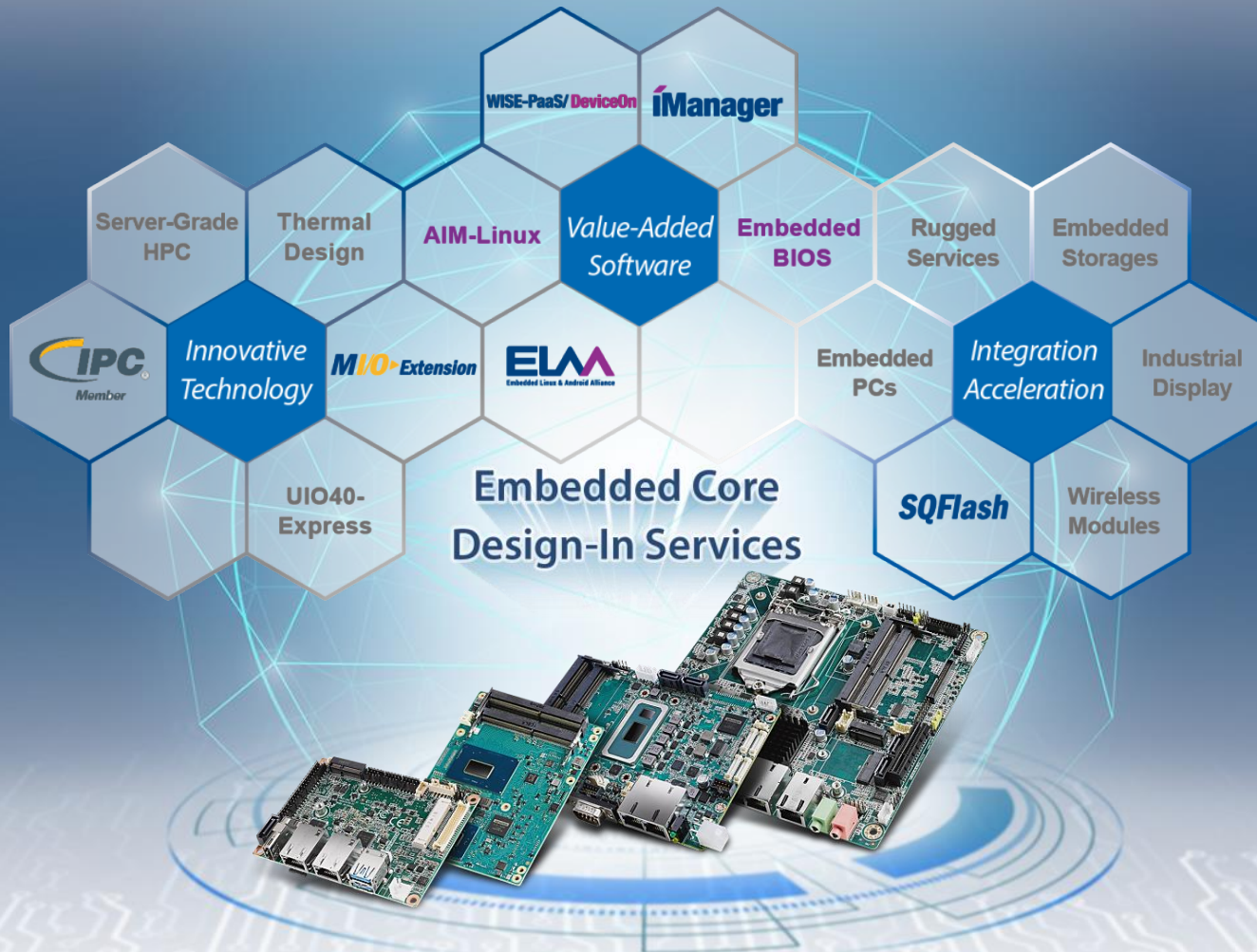
The lightbulb graphic features a network of interconnected nodes and lines, symbolizing a smart city or IoT ecosystem. The segments include:

- DEE** (Data-Driven Engineering)
- Cloud**
- Web solution**
- IoT**
- WISE-Park**
- Production**
- IoT-IT**
- Integrated USHops**
- Machine to Intelligence**
- Winter Treatment**
- Co-Creation 共創** (at the base)

Panelists:

Pier Luigi Zenevire, Co-founder, Linari Medical

Pawel Surgiel, CEO, Bivrost Sp. z o.o.



Embedded Core Design-In Services

Innovative Technology

Server Grade (COM-HPC)

MI/O Extension (2.5"/3.5")

UIO40-Express (2.5")

**Quadro Flow Cooling
System (QFCS)**

Software Services

WISE-PaaS/DeviceOn

Embedded Feature API

AIM-Linux / AIM-Android

Embedded BIOS

Integration Acceleration

EPC CTOS

(IMB, Chassis, Peripherals, OS)

Rugged Design Services

(Coating, Wide Temp., Anti-Vibration)

DTOS Services

(Custom Board, I/O, 610G Class 3)

Peripheral Integration

(Wireless, Storage, Display)



COM



SBC



MI/O



UTX



Mini-ITX



Arm-Based Module



Arm-Based SBC



UIO



BIVROST®

Paweł Surgiel

Founder @ BIVROST | R&D of emerging media technologies

Warsaw, Masovian District, Poland • 500+ connections



NISKO
Technologies

Avi Nataf

Managing Director at Nisko Technologies

Israel • 434 connections • [Contact info](#)



Linari
Medical

Pier Luigi Zenevre

Co-founder, Linari Medical

ADVANTECH



BIVROST®

Pawel Surgiel

Chief Executive Officer

pawel.surgiel@bivrost.pro





BIVROST®

Embedded Core
Design-In Services



BIVROST®

Bivrost is a product design company that combines cutting-edge hardware and software to empower digital creators industry.

With the background in deep tech engineering, Bivrost develops all-in-one AI-powered solutions that enables the live production and streaming of high quality content with zero level of professional skill requirement.

ADVANTECH

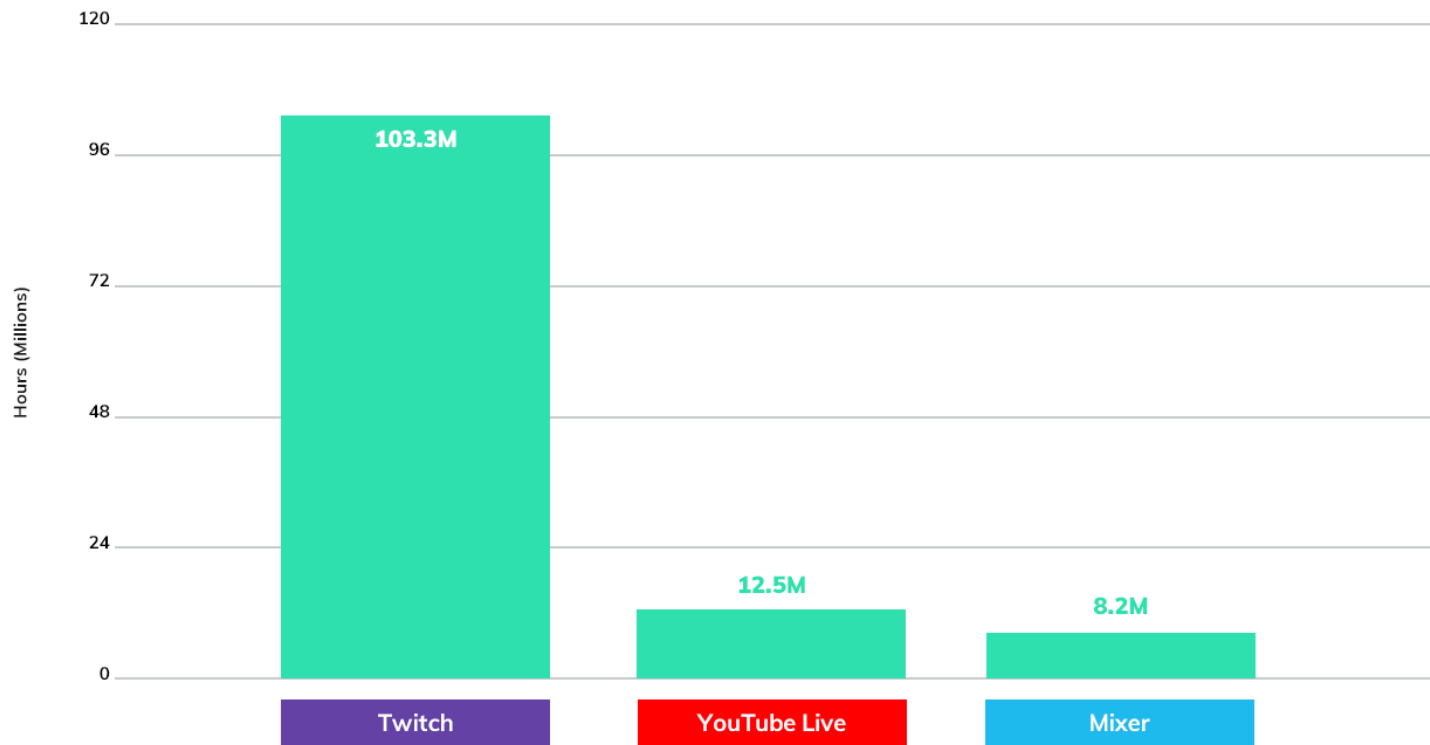


GOAL:

to make an impact on
the **live streaming** industry



Hours Streamed By Platform In Q1'19





Fun facts:

Watching eSports is an industry soon to be worth \$1 billion.

There were 4,463,290 Twitch streamers in March

67% of audiences who watched a live stream purchased a ticket to a similar event the next time it occurred.

85% of u25 people are consuming live content on a mobile device

80% of consumers prefer to watch live videos from a brand than read a blog



Advantech / BIVROST



Cooperation model

- High end carrier board design and manufacturing under a tight schedule
- European project management team and engineering team to support customer locally.
- Advantech Taiwan works in the background to support local engineering capability
- With Carrier board Bivrost also intends to use custom Advantech COMe module based on 6th gen core i7, suggested SDRAM modules, Microsoft licensing and validating also high capacity storage SSD's from Advantech.



Tech specs:

5x M.2 for wide peripheral flexibility with Storage, wireless connectivity and AI

6x USB 3.1 for extreme fast data transmission from the cameras

2x HDMI for visualization

SOM-5899 COMe module equipped with 3x SODIMM and Intel Core i7 Coffee Lake





BIVROST®

Embedded Core
Design-In Services



BIVROST STREAM
liteCASTER

ADVANTECH



BIVROST®

Embedded Core
Design-In Services



BIVROST STREAM
liteCASTER

ADVANTECH



the promise



today



BIVROST®

where do you want
to (live) stream
today?

tomorrow



BIVROST®

Embedded Core
Design-In Services



BIVROST®

Power Surgeiel

ADVANTECH

Nisko Technologies

Opportunities on the Defense and Medical Markets in Israel

Avi Nataf, Nisko Technologies Managing Director





Nisko-Ardan Group

- Since 1970
- **Israeli distribution leader** in the electronics, communication, defense, industrial, medical and hi-tech sectors.
- ~1,000 employees, out of which 23% are experienced engineers.
- Turnover @ CY2018 : ~500M\$.
- Customer base: Over 500 companies.
- ISO 9001-2008 certificated.

Nisko Technologies in a Glance

Offering unique expertise and extensive experience in embedded technologies including ATCA, CPCI, VPX, small SBCs, ComE & 3.5", Servers & Industrial-Computers by proposing **Full Turn Key Integrated Systems**



Medical System



Custom Full System ComE



Embedded PC for
C4I System

The Main Players in Israeli Defense Market



Annual Revenue: \$3.7B

Employees: 12,470

Founded: 1967

Elbit develops, manufactures and integrates electronic, communication and electro-optic systems for defense and aviation sectors



Annual Revenue: \$2.9B

Employees: 7,500

Founded: 1948

Rafael designs and manufactures defense systems for air, land, sea and space applications.



Annual Revenue: \$3.5B

Employees: 15,800

Founded: 1953

Israel Aerospace Industries is engaged in the development and production of systems for the defense and commercial markets..

The Israeli Defense Market's Needs



- ❑ **Rugged Solution:** memory soldered down, IPC Class 3,
- ❑ **Custom BIOS:** Quick boot time,
- ❑ **Conformal Coating**
- ❑ **Extend Temperature Range:** -40~ 85°C
- ❑ **Security Features :** AES encryption, HW & SW secure erase
- ❑ **Locked BOM & Change Notification:** at least 6 months ahead.
- ❑ **Longevity:** 7+ years

All these needs can be achieved from Advantech by the SSD and ComE Product lines.

SkEye Project



Background

Developing a system which capable of continuously monitoring vast areas, intercept events and maintain multiple regions of interest (ROI) under constant surveillance, with high spatial resolution. Storage Unit – Include 34 SSDs

SQF-S25M8

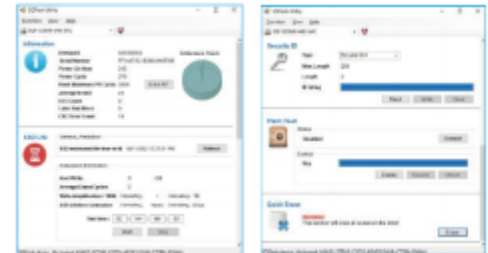
Ruggedness & Security SW Support

- -40~ 85°C wide temp. support
- AES-256 Encryption
- SW secure erase
- Real-time VxWorks OS support

Quick Services

- Close relationship & good support
- Quick availability of samples

SQ Manager Inside



Endoscopy System



Background

A start-up company with uniquely patented in the world of miniaturizing visual fiber-optics, providing the only ultra-thin, high resolution, extremely flexible, single-use endoscopic platform based

AIMB-586 with Chassis

Customized Services

- Custom USB connector with secured limited access
- 3rd party SW solution for data security

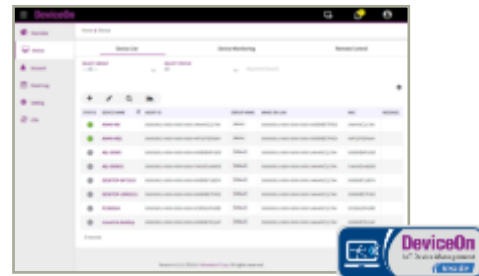
Quick Support

- Close relationship & good support
- Professional engineering consultation on earlier stage

Longevity Support

- 7+ years longevity support
- Medical grade PSU

Bundle with DeviceOn



Linari

Pier Lugi Zenevre, Co-founder, Linari Medical





E-HEALTH COMPANY

Official partner

ADVANTECH

LINKOU CAMPUS, TAIPEI – DEC 13,2019

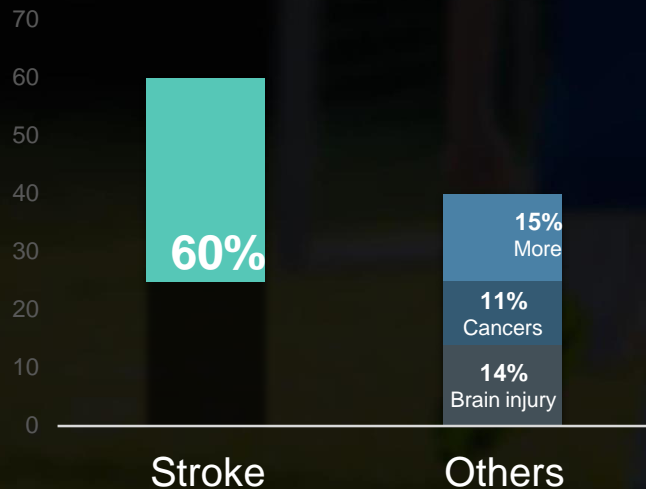


PIONEERS IN NEUROVISUAL REHABILITATION



STROKE

Main Hemianopsia cause



HEMIANOPSIA

Visual deficit

NEW CASES DIAGNOSED
EACH YEAR



ITALY
25.000



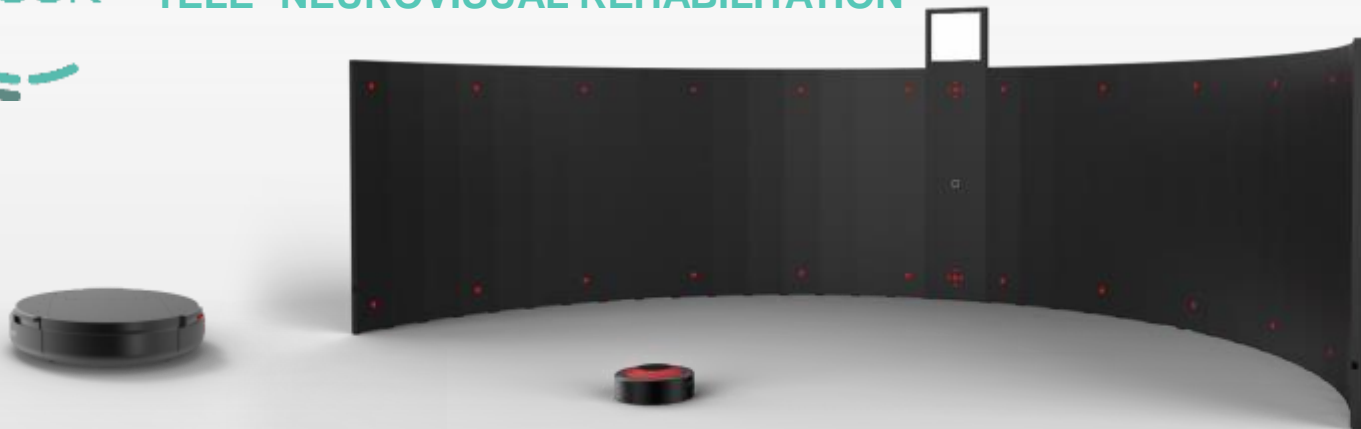
EUROPE
228.000



GLOBAL
2.475.000



PATENTED MEDICAL DEVICE FOR TELE- NEUROVISUAL REHABILITATION



Simple Mobility



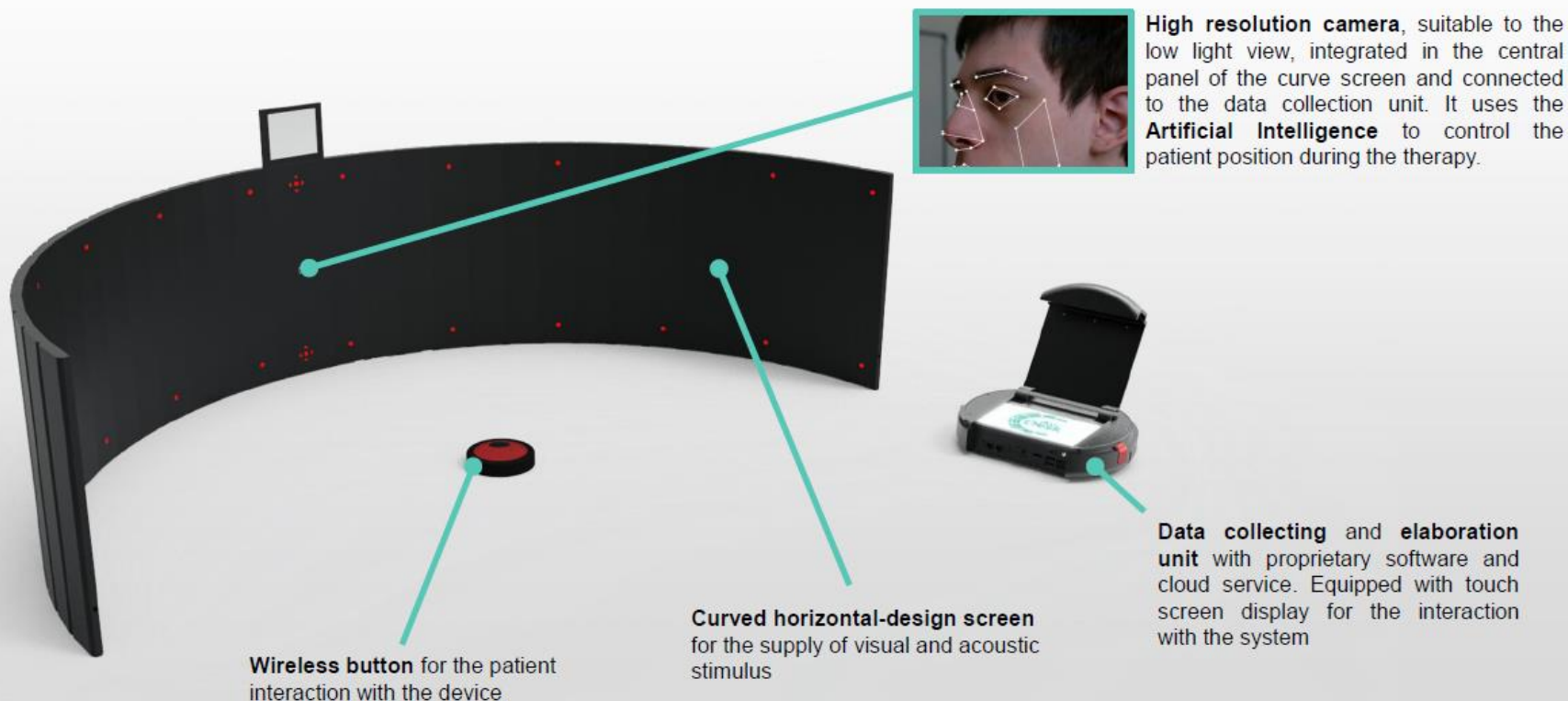
At home



In medical clinic



AVDESK COMPONENTS

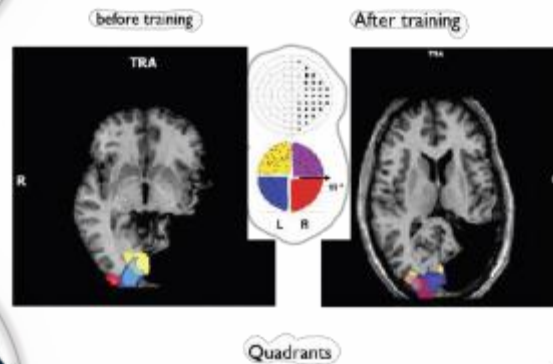




First Results
after just
20 h
of personalized
therapy

UNCONSCIOUS
VISION

Brain MRI





is

ADVANTECH

inside

Our Needs



Centered cloud managing
for partners and costumers
support



**High Speed
Connectivity**



**High Calculation
Power**
for Ai support



**IoT and
Cybersecurity**



Resistance
for hundreds of
flights



**Small in
size
and weight**



Silent operativity
with SSD and
fanless

MIO-5272U



MIO-5272U-U4A1E

Embedded computer board

High calculation power to support the **Ai**, to monitor the patient in real time and to guarantee the therapeutic adherence



High Performance
Processor



High Speed
Connectivity

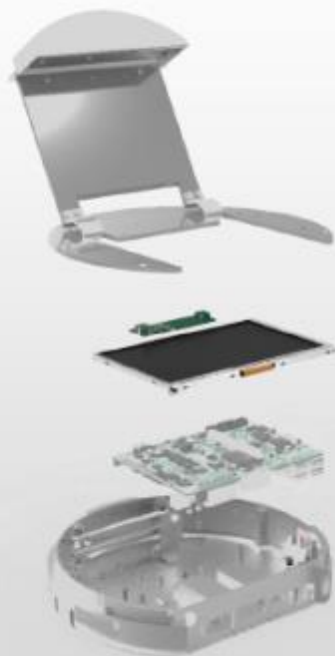


Resistance



Silence

ADV-IDK-1107WR



IDK-1107WR-50WSA1E

Touch 7" LCD module

High quality component to be used by visually-impaired patients at home, without the medical support and accidental impact resistant



High Contrast



Resistance

WISE-PaaS/ DeviceOn



Device
managment



Real Time
Monitoring

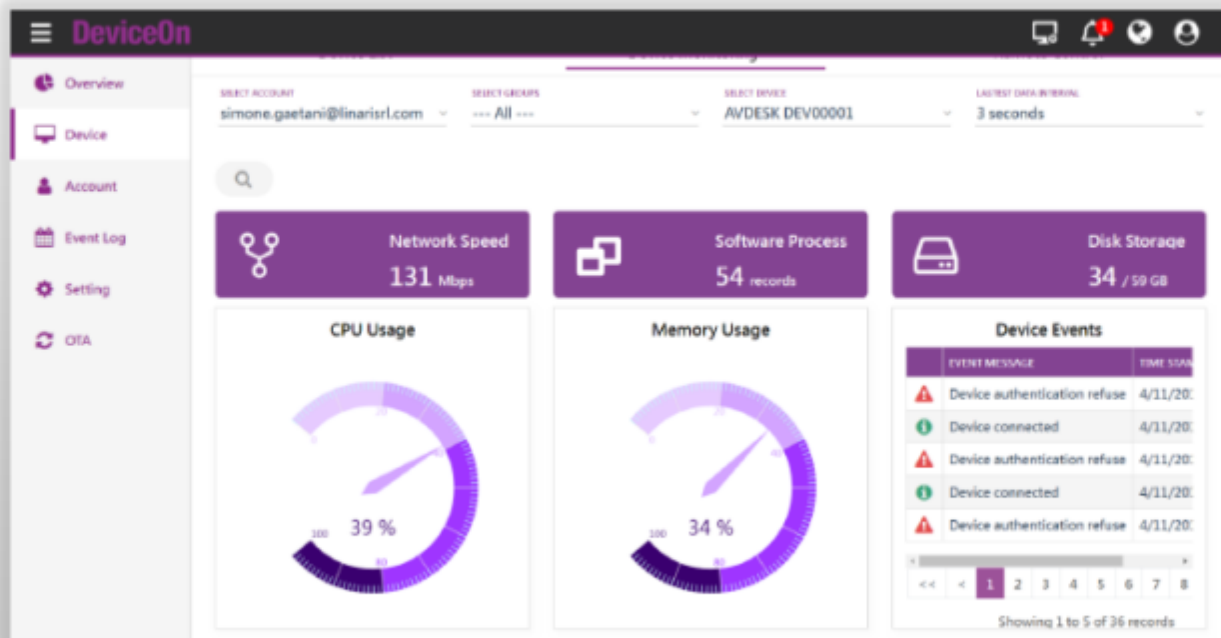


Software
Update

DeviceOn on Microsoft Azure Cloud Managing Platform

A unique access point to all required functionalities for the remote control of the patient. Software updates of devices via platform

USE CASE: DeviceOn and AvDesk





scores a

GOAL!

with

ADVANTECH





Innovation Award
C.C.I.A.A. Pisa



Life Science
Excellence Awards
2019



Scientific Partner



Partner

Follow us on www.linarimedical.com and on **LinkedIn**

Leading Embedded Core Innovation & Design-in Services

Time to Market

Leading Innovation

Design-in Service



Industrial Motherboards

Computer On Module

Embedded Single Boards Computers

Arm-Based Computing Platforms

Industrial Flash & Memory

Embedded PCs

Embedded Software

Embedded Wireless Module

Co-Creating the Future of the IoT World

