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TECHNOLOGIES

EMPOWERING THE VOICELESS

The Context

Inability to communicate from patient to doctor and nurses in Intensive Care Units and resident structures is a **great problem for patients and professionals**, with proven **negative clinical outcomes**.*

- ➔ Increase patient length of stay with related inefficiencies and increased costs
- ➔ Delirium, a critical condition leading to higher mortality risks
- ➔ Quality of life and life expectancy after ICU: About 40% of those who are discharged from ICU develop Post Traumatic Stress Syndrome (PTSD)



Unlocking the Patients Voices

11 Million

patients in mechanical ventilation in ICUs worldwide, up to 80% may develop delirium which increase Length of Hospitalization (LOH) and cost Billions to Health systems

12Million +

people affected by Stroke and 25% of them develop communication difficulties with speech and motion impairment

10Million +

people in EU and US with neurodegenerative disease such as Parkinson, Lateral or Multiple Sclerosis (SLA, MS),
→ many will suffer from communication impairment

OUR MISSION

Provide high-tech solutions, to enable the best possible communication and improve the connection between patients and their care providers through the entire patient journey.



**EMPOWERING
THE VOICELESS**

OUR VALUE PROPOSITION

- Increase **quality of treatment and quality of life** for the patients
- **Reduce operational burden** for clinicians and care givers
- **Support humanization** of care and assistance processes



Dico Technologies
Empowering the voiceless

THE SOLUTION

DICo[®]1000Plus

- A patented combination of a **tablet** with a **motion sensor**, allowing the patient unable to speak to communicate through simple gestures
- **Machine** learning enhanced
- **Medical Device Class 1**
 - Designed for patients in acute care treatment
 - In development for rehab and Home Care, ready for connectivity and home automation systems
 - Further new development in critical settings for detecting delirium onset signs



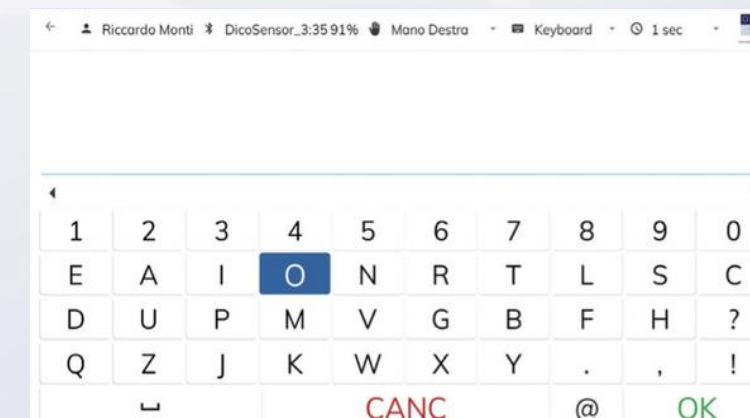
DICo[®]1000Plus – How it works

The patient controls the interface through a wireless BT motion sensor, after an easy to perform calibration of that personalizes the interaction

- Single gesture interaction (**auto-scanning of semantic icons or letters**)
- Two gestures enhanced control (**scroll and select**)
- Up to 4 gesture interaction (**mouse emulation**)

Various interfaces enabled by text to speech technology and multilanguage support

- Adaptive **virtual keyboard** with easy writing (free text)
- Fully **customizable symbolic table** (coded text)
- All communications are translated into **57 languages**
- **Text to Speech** to help with vision problems

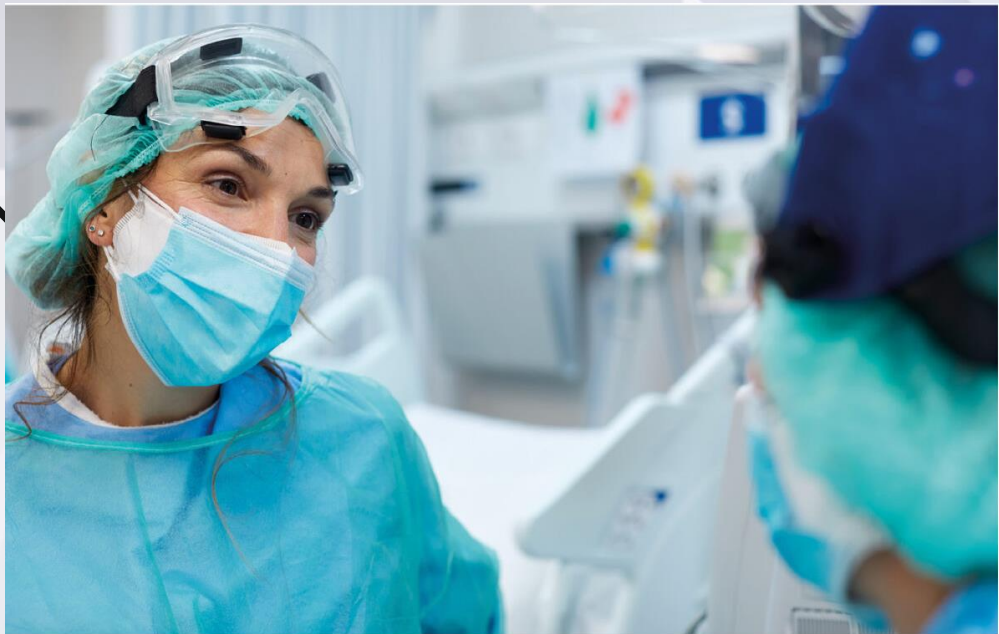


Class I Medical Device (EU 2017/745)

Tested in real-world settings

Intensive Care Department at Magenta Hospital (Milan) underwent real-world testing for four months on 12 patients, with outstanding outcomes

	PATIENT Average AGE	PATIENT SATISFACTION from 0 to 10	CLINICAL STAFF SATISFACTION from 0 to 10
SATISFACTION (Patients and Clinical Staff)	66.1	7.4/10	8/10



MARKET

“Still Underserved and Rapidly Growing”

ICU:

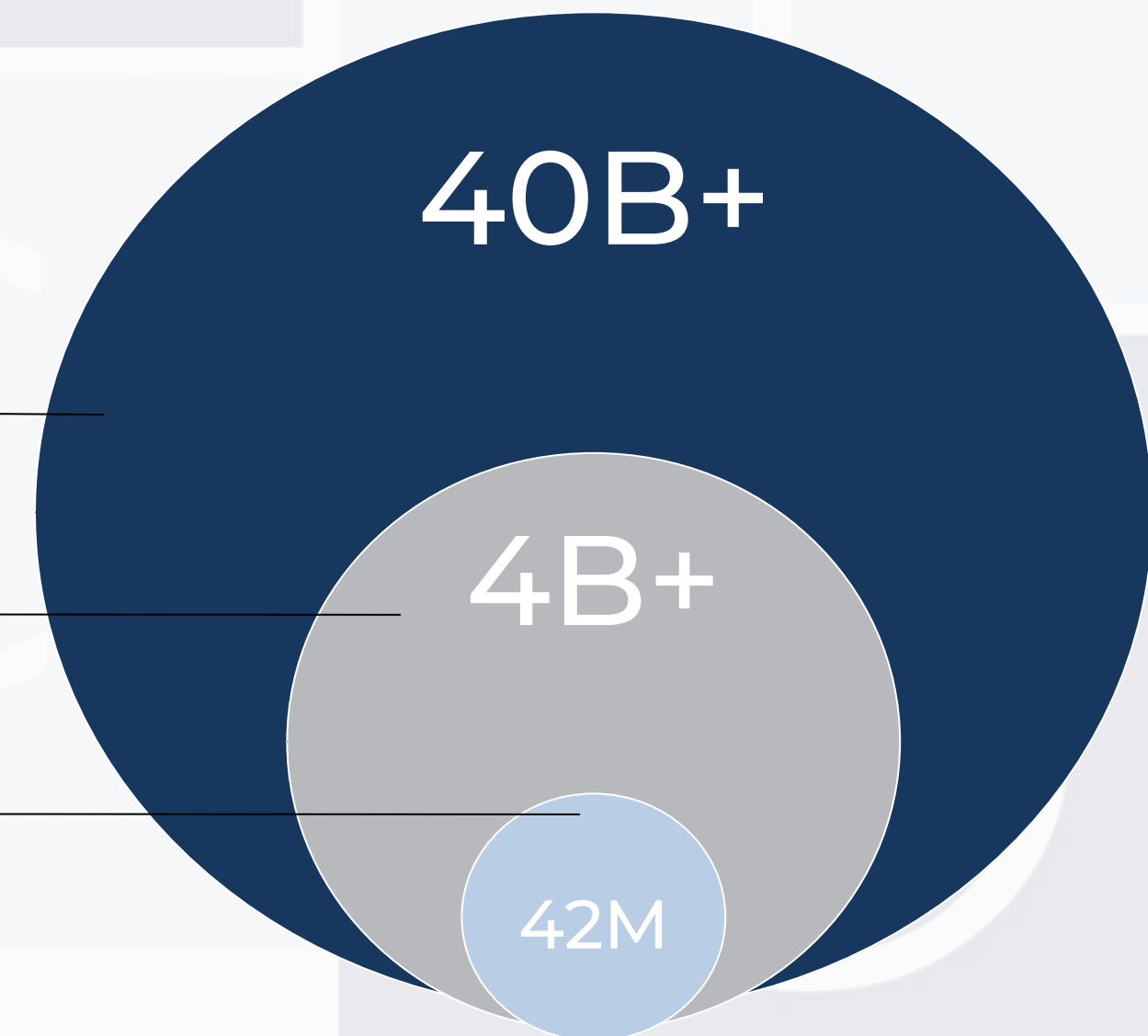
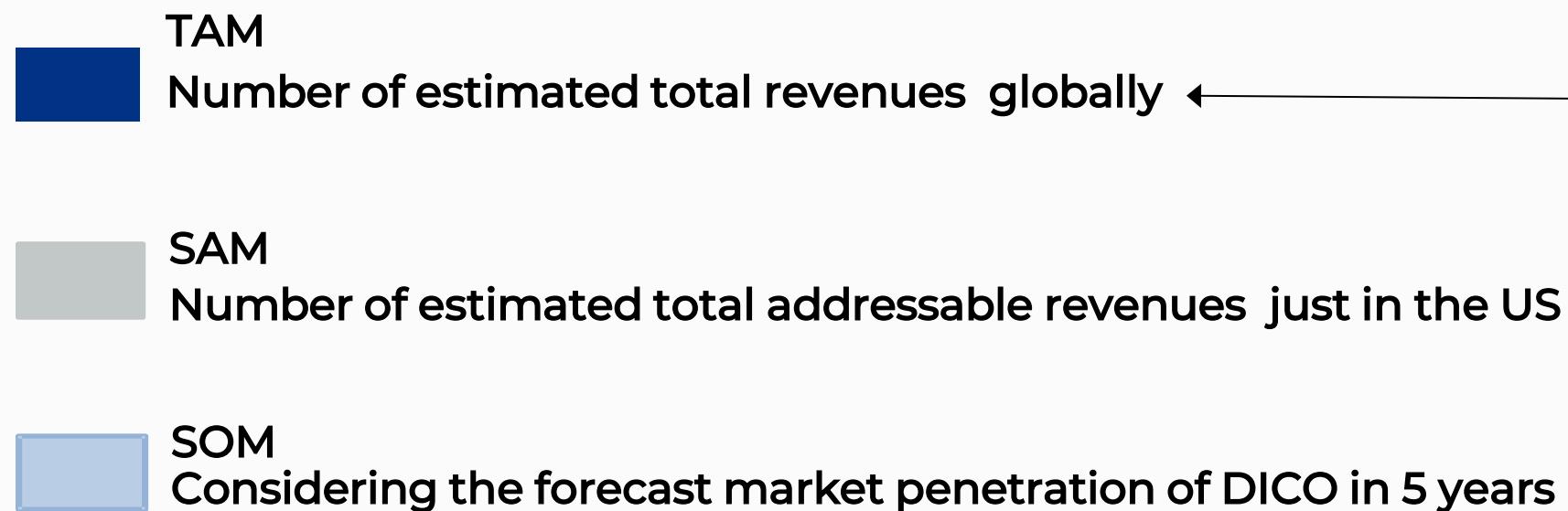
- 500K ICU beds Globally;
- 140K ICU beds in US and EU
- 33% of ICU beds are typically occupied by Patients awake but intubated/tracheostomized

- TAM = 700 ML
- SAM = 230 ML
- SOM = 5 ML (2%)

Rehab & home care:

- 15M globally & 1.5M+ (US-EU) new patients every year in stroke rehab;
- 10M patient with Parkinson+ sclerosis (US-EU)
- 1M with infantile cerebral Palsy (US -EU)

- TAM = 41 B
- SAM = 3,3 B
- SOM = 37 ML (1%)

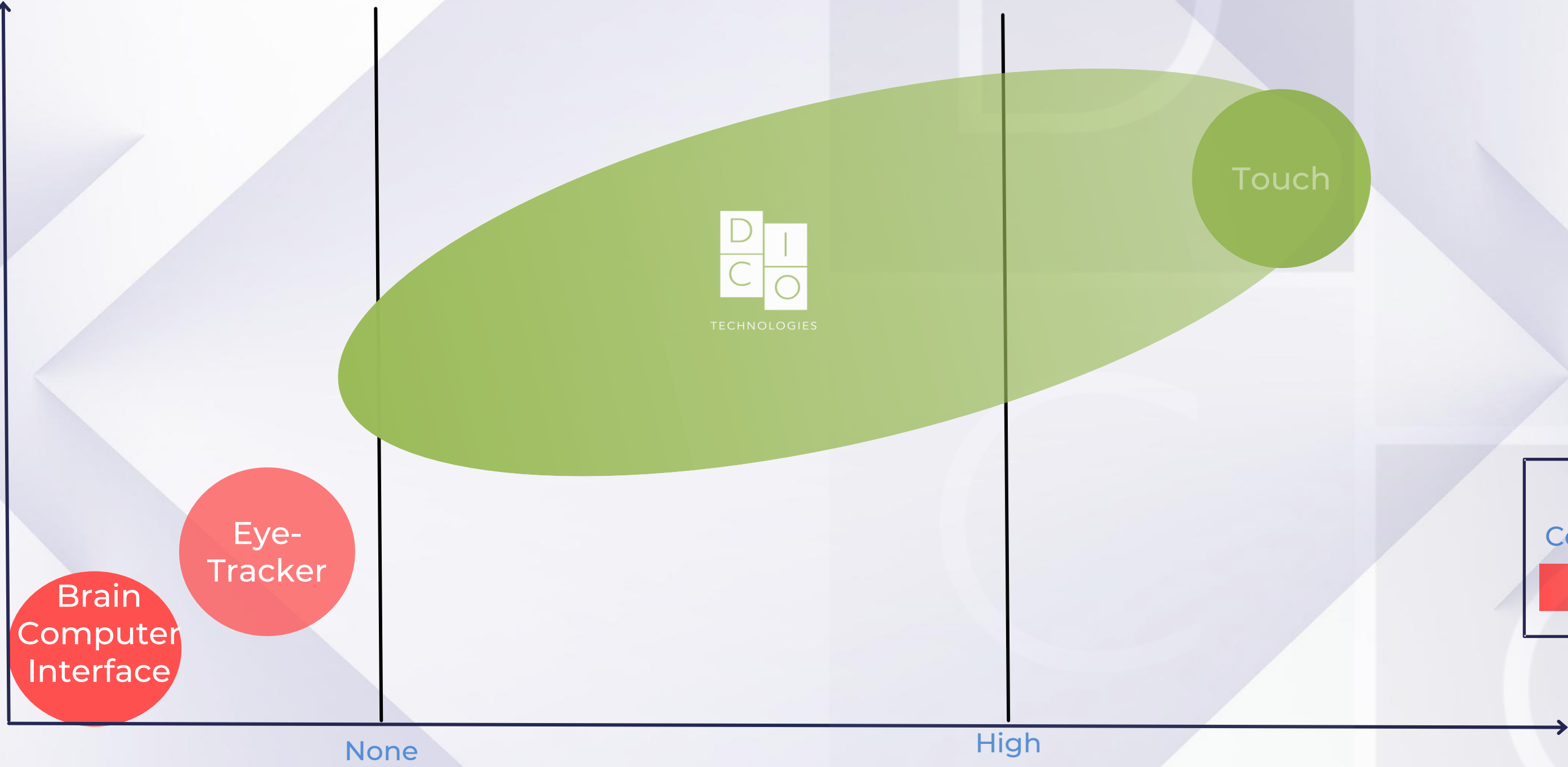


Competitive positioning **DICo[®]1000Plus** technology

Speed of patient adoption

Quick

Slow



Gestural patient's skills

Our technology responds to the needs of patients with a wide range of gestural ability, ensuring rapid learning and economic convenience

Commercialization Model

Intensive Care :

- DICO®1000Plus is offered through authorized distributors/resellers (B2B)
- The device is purchased (CAPEX) by the Intensive Care Unit with a device/bed ratio of approx. 1 to 4
- Annual fee to cover SW update & maintenance, and consumables.

Long-term and home care :

Solution evolution specifically addressed to home care with extended functionalities.

B2B2C model via public/private payor (CAPEX/OPEX) and B2C (e-commerce) to the end user with OPEX formula.



COMMERCIAL ROADMAP

2025 → LAUNCH OF PRODUCT ADDRESSED TO POST-CRITICAL & REHAB

2026 → LAUNCH OF PRODUCT FOR HOME CARE ASSISTANCE



OBJECTIVES

Gather market
intelligence

Contact international
distributors



Find new industrial
partners

Scout for international
opportunities

DEMO SESSIONS

DICo®1000Plus

Is visible at Flow-meter
Hall Za'Abeel 2, Italian Pavilion,
Booth Z2.K31

Please come visit us for
further information and
a product demo



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