CEROTEK®

Contents

Cerotek focuses on the DEVELOPMENT, PRODUCTION and COMMERCIALIZATION of innovative products and services with high technological value, and more specifically of medical aids developed with advanced technologies.

2018	2023	April 2024	November 2024	May 2025
Innovative Startup	Innovative SME	Exposanità, 23rd edition	Innovative SME Award 3rd place	104 The Caregiving Experience

About Us

Mission

Through medical devices with high technological value, a faster healthcare workers' intervention is possible, allowing a safe and monitored context and a better quality of life of the person assisted.

Vision

Revolutionize the concepts of Assistance and Prevention, overcoming the drastic fracture between home care and residential care.

TeleAssistance

In the TeleAssistance field, the main goal is to offer products that can facilitate healthcare workers' job, improving the quality of assistance and reducing the risk of errors. Cerotek's offer focus on three main products, usable both in Residential Facilities and at home.

TeleMedicine

For Cerotek, TeleMedicine means prevention. The goal is to guarantee a service through which the person can do the measurements from home, both alone or with the support of a caregiver, monitoring the trend of the different vital parameters with the activation of warnings for the remote intervention of qualified operators.

What we do

All the products and services offered by Cerotek are intended to support healthcare personnel, improving QUALITY OF CARE and reducing the possibility of ERRORS. In a context where the shortage of qualified healthcare workers is increasing and the number of people to be cared for is increasingly high, the offer of solutions that can promote a safe and monitored environment are essential.
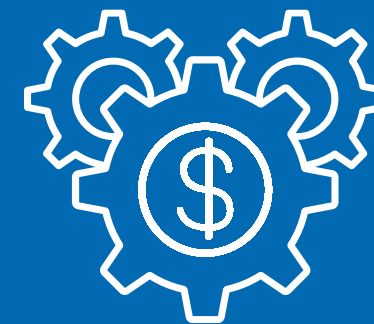
TECHNICAL ADVANTAGES

- Innovation, quality reliability
- Innovative technology
- Support and service
- video tutorials, remote support

PRACTICAL BENEFITS

- Ease of deployment and use
- Digitalization of processes
- Time optimization
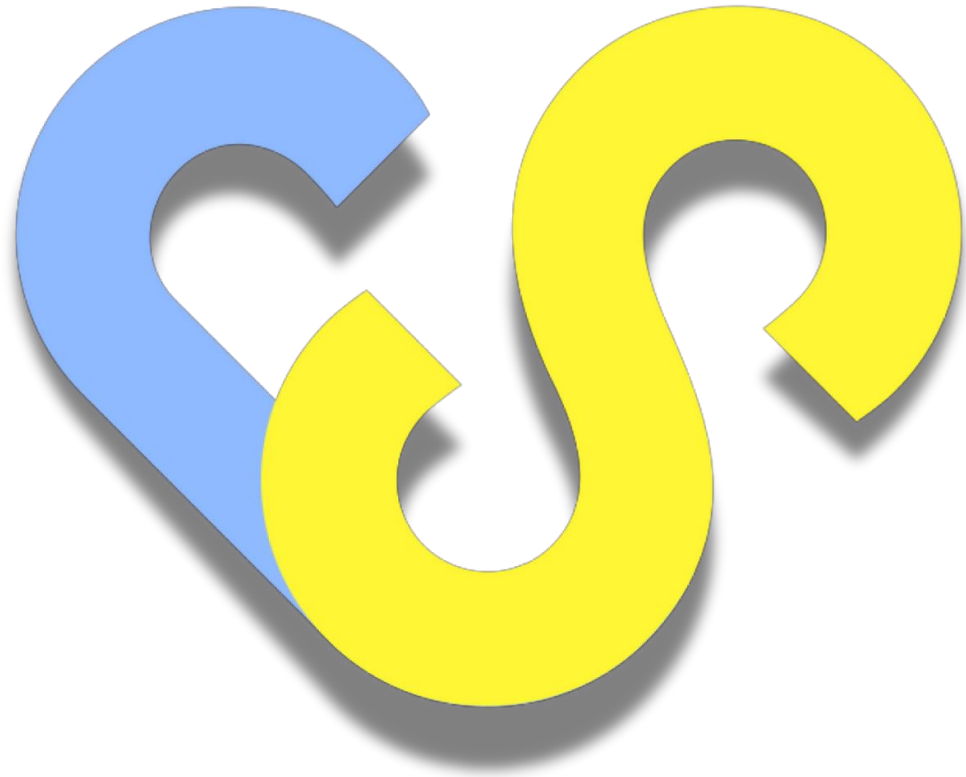- objective evidence of all events with relative closure

ECONOMIC BENEFITS

- Saving running costs
- Resource optimization
- Reduced maintenance operating costs
- increased productivity and efficiency

What we do

Our Products

CentroStella is a managing software that operates both on local network and on Cloud. It was conceived with the specific goal to:

- Improve the quality of assistance, implementing it on an observational level
- favour the centrality of the person
- Reduce the possibility of errors in the managing process of assistance

CentroStella can: 1) create its own master records or import it from other managing systems 2) export its master record so it can be used on other managing systems

With the help of medical instrumentation, it allows to: 1) collect measurements of vital parameters on a periodic basis 2) help to remember the medicines to take 3) manage emergencies (risk management 4.0).

The historicization of all events allows a qualified healthcare professional to analyze the measurements and analyze their trend.

CentroStella

- Wireless System

- no modification costs and electrical system certifications

- Radio frequency electronic devices

- complyant to VDE_0834

- Recording of all events (Risk Management 4.0)
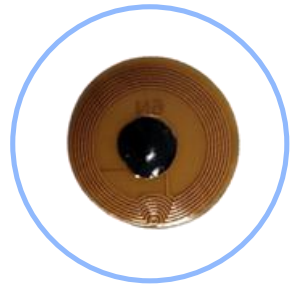
The request will be available on:

- SMARTPHONE

- DISPLAY or PAGER
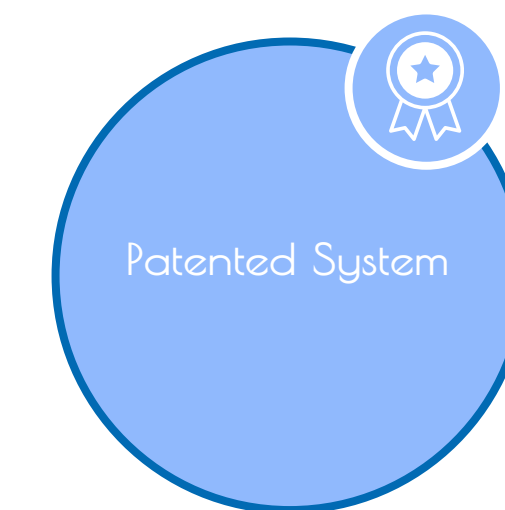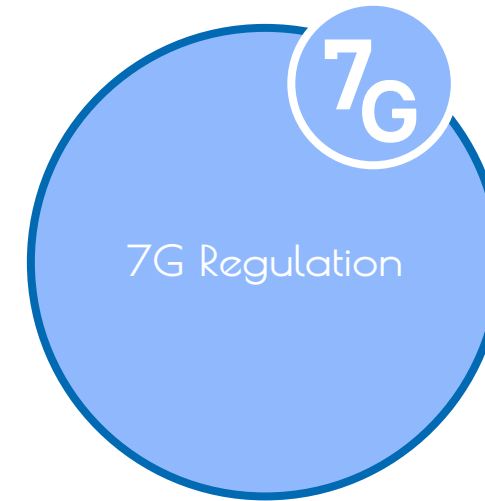
CANCEL
SOS

CANCEL
SOS

1065

666

Assistance Call System

Thanks to the **NFC tag** technology is possible to administrate the **Right Therapy**, to the **Right Person**, at the **Right Time**, with the **Right Dose**, and the **Right Way of Administration**.

After uploading the therapy of the assisted on **CentroStella** (with **hour, dose** and **frequency**), it will be possibile to pair the NFC tag to the person.

Putting the smarphone with app installed to the NFC tag, it will be possible to open the Right Therapy to the Right Person.

7G
7G Regulation

responds to recommendation no. 7 of the Ministry of Health on errors in pharmacological therapy

responds to recommendation no. 12 of the Ministry of Health on errors deriving from look alike/sound alike drugs

Management of Therapy via App

Patented System

reduction of errors during administration (Risk Management)

Management of Thearpy (self-administration)

HEALTH MONITOR

- body temperature
- saturation
- blood pressure
- ECG (+ heart rate and respiratory rate)

SMARTWATCH

- glycemia

BALANCE

- weight
- hydration

TABLET

DOKTORBAG

SOS

Telemonitoring for preventive purposes

monitoring of vital parameters indicated by WHO

graphical display of measurement progress

setting of minimum and maximum thresholds

generation of WARNING in case of abnormal values

Doktorbag

Smartwatch that allows the automatic detection of:

- GLYCEMIA
- SATURATION
- BODY TEMPERATURE
- BLOOD PRESSURE
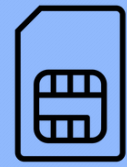- HEART-BEAT
- FATS IN THE BLOOD

On CentroStella, it will be necessary to set the minimum and maximum thresholds within whic the value must fall and the the frequency with which the parameters should be detected

On the given app, it will be possible to consult the history of measurements and indicate the intensity, from 1 to 10, of pain

On the APP, it will be possible to start a videocall with the number given on CentroStella

iSensor

smartwatch with SIM integrated

real time positioning

automatic detection of SATURATION, BODY TEMPERATURE, HEART-BEAT, BLOOD PRESSURE

immediate alarm in case of fall

SOS call

iSensor Pro

Starting from the existing Therapy Management, this product offers a simple and digital system for managing the drug warehouse,
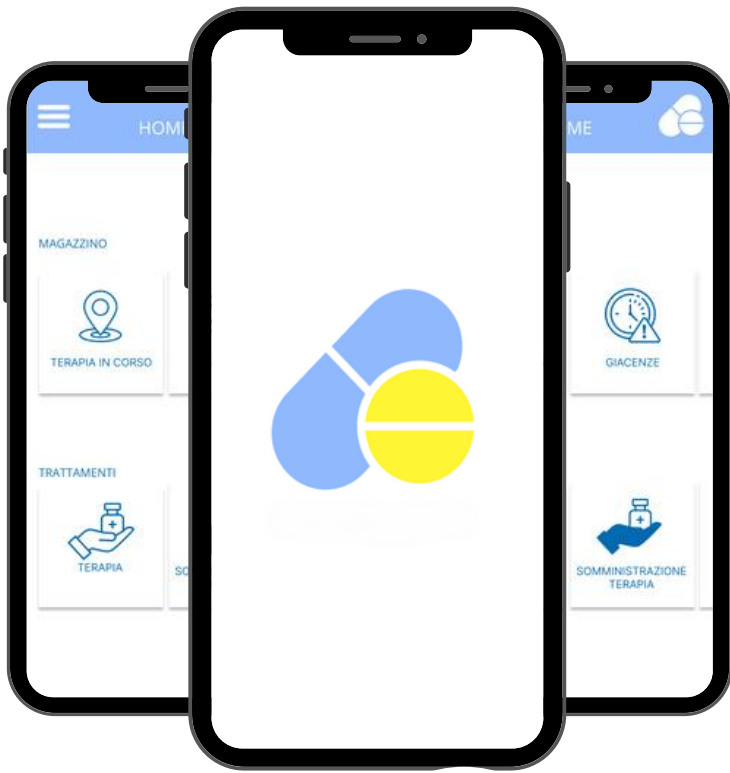
WHAT YOU CAN DO

Management via App

Reduction of Costs and Waste

Inventory and Drug Management

Drug Expiration Management

Drug Localization

Complyant to recommendations n° 7 and n° 12 of the Ministry of Health

7G Regulation

Integrated Therapy Management

PATENT BIT28042 «Device, system and method for the distribution of drugs and for the control of their administration»

It also includes an App provided to the patient to remind them, at the right time, to take the medicine.

Dispenser with 28 stations programmable via CentroStella with the **Right Therapy** for the **Right Person** at the **Right Time**.

Through NFC tag technology, it controls the **Preparation Phase**, the **Distribution Phase**, the **Administration Phase** and the **Control Phase** of the therapy
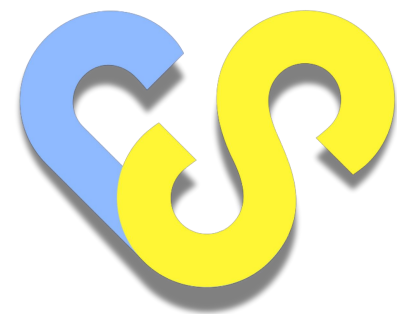
iPill Box

Our Projects

Project Cocoon

It's listed in the proposal of intervention to finance in the National Recovery and Resilience Plan (NRRP). The project involves social cooperative MARGINE S.C.S, the cooperative CRESCERE INSIEME S.C.S and Cerotek S.r.l.

With the project Cocoon the goal is to create a net of private houses, connected to a multiservice center with technological solutions that allow the person to stay at home in total safety.

The proposal is composed by:

CentroStella

Doktorbag

iSensor Pro

iPill Box

Our Projects

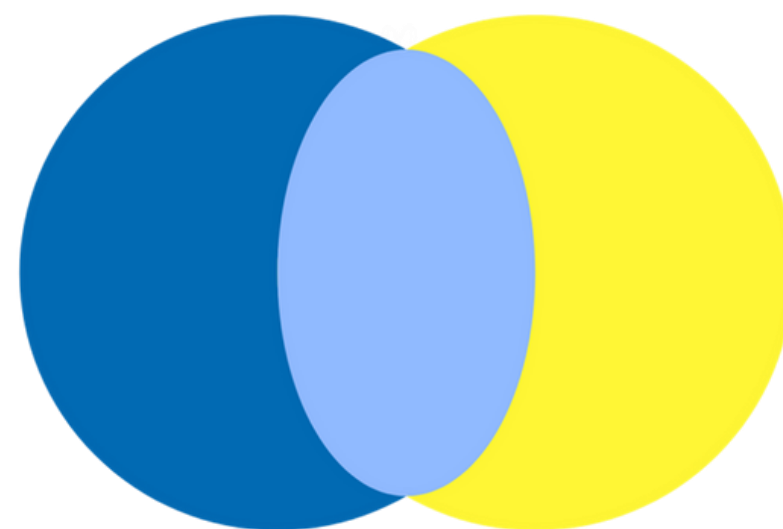# The AI project for preventive Telemedicine in the elderly population.

Based on the most widespread chronic diseases in Italy and Europe and the identification of vital parameters whose monitoring can be an indicator of prevention, the final goal is to generate an algorithm to support competent healthcare personnel.

This further development confirms the ultimate goal of Doktorbag which is to PREVENT chronic situations, thus streamlining costs and resources for treatments.

Televisit implementation

In collaboration with a company that deals with remote clinical management, we are implementing the possibility of carrying out a televisit with a general practitioner or specialist doctor in our product already on the market.

This implementation represents a further step towards what the future must necessarily be in a context in which medical practices are overcrowded, emergency rooms are overloaded, qualified healthcare personnel are lacking and the funds available to the NHS are increasingly less.

Our Project

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