IL CENTRO NTT DATA DI COSENZA

DALLA CYBER SECURITY ALL'IOT,
L'INNOVAZIONE TECNOLOGICA APPLICATA

PIATTAFORME TEMATICHE S3

ICT E TERZIARIO INNOVATIVO
L'INNOVAZIONE TECNOLOGICA APPLICATA

CITTADELLA REGIONALE – CATANZARO
13 LUGLIO 2017

NTT DATA

NTT GROUP: RANKED 53RD GLOBAL FORTUNE 500 COMPANY SERVING 80% OF THE FORTUNE 100

System Integration & IT Service

NTT DATA

75.000 employees

Regional Communications Business

NTT EAST

NTT WEST

71.700 employees

NTT Group

Long Distance and International Communications

NTT Communications

dimension data

22.350 employees

HOW WE COMMIT & INVEST

NTT'S R&D CAPABILITY

INVESTING $2.5 BILION ANNUALLY

R&D STAFF 6,000

Mobile | Communications | Business

NTT docomo

23.900 employees

COSENZA LAB: DA UN BILOCALE A 230 PERSONE

80% DELLE PERSONE È SOTTO I **30 ANNI**

CENTRO DI INNOVAZIONE COLLEGATO AI POLI INTERNAZIONALI DI NTTDATA (GIAPPONE-USA)

LAB SU LEADING EDGE TECHNOLOGIES

A COSENZA ABBIAMO COSTRUITO UN MODELLO FUNZIONANTE DI OPEN INNOVATION

UNIVERSITIES & R&D INSTITUTIONS

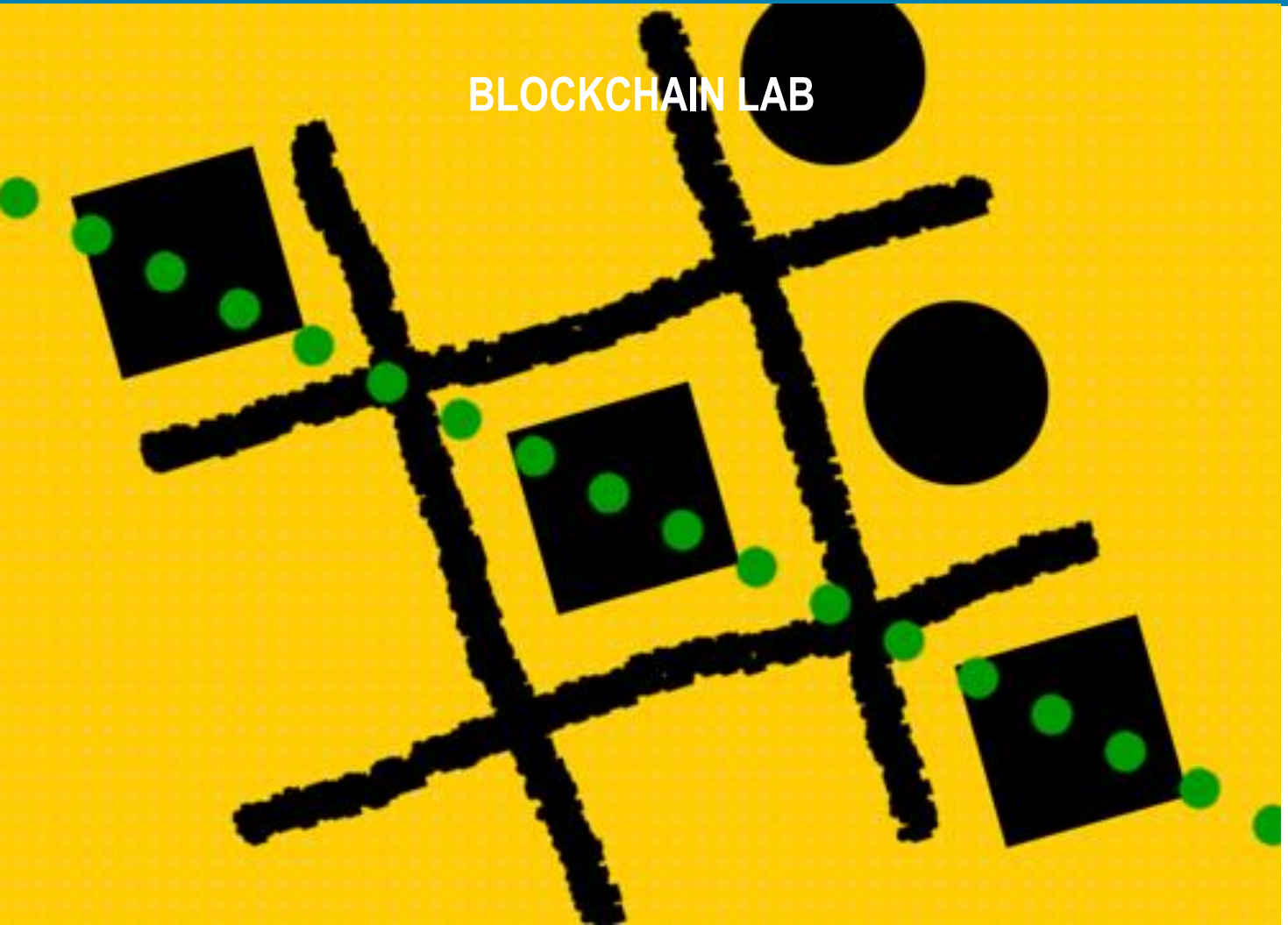
START-UP

INNOVATION EMPOWERMENT MODEL

Open Innovation

NTT LABS
GLOBAL R&D
LOCAL LABS

EMPLOYEE ENGAGEMENT



REINVENTING FINANCIAL SERVICES

- VIRTUAL CURRENCY
- DONATION
- INSURANCE
- PSD2

SOCIAL INCLUSION

- BITNATION MODEL
- DIGITAL VOUCHERS
- PEOPLE TRACEABILITY

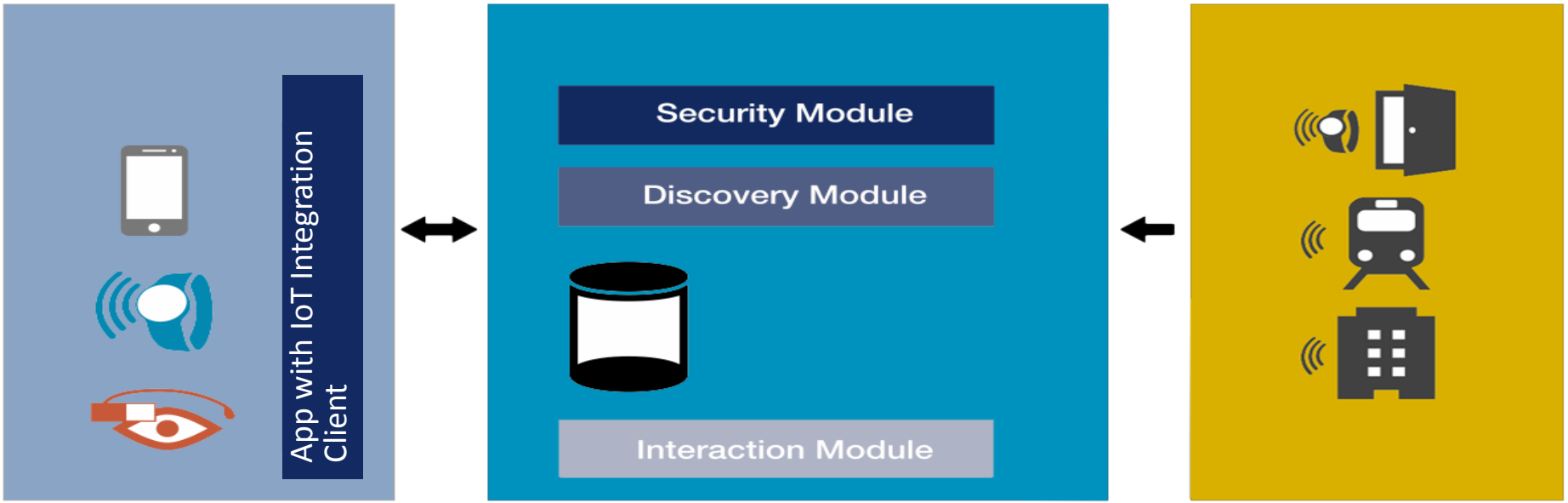
IOT & SMART CONTRACT

- ENERGY/WATER MANAGEMENT
- SMART HOME
- AGRIFOOD TRACEABILITY

DIGITAL IDENTITY

IOT INTEGRATION FRAMEWORK …

Configurable service-based framework which supports physical discovery of IoT smart devices and facilitates secure IoT device interactions from mobile/wearable devices



INTELLIGENZA ARTIFICIALE

Speech recognition

Often it is coupled with Natural Language Processing , is becoming a commodity for many spoken languages: voice user interface (voice dailing, Call routing, word processing, email), capable systems that are able to interact with people through dialog, machine traslation

Computer vision

It's the most prominent form of machine perception: Virtual reality, Image Processing: computers are able to perform some vision task better than people.

Autonomous Machines

Collaborative systems that can work with other systems and with humans: drones, self-driven cars.

Data Classification

Pattern recognition
Variegate group collecting

AI Applications Areas

Intelligent Agent

Recommendation engine,
Semantic Web search

Predictive Engine

AI Diagnosys,
Inferential engine

AI Planning&Scheduling

- Games theory
- Strategic planning
- Intelligent search strategies for computer problem solving

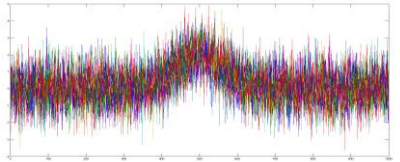
Applying Artificial Intelligence's capabilities to IoT (Internet of Things), Robotics and Big Data are exponentially increasing their potential.

HEALTH MONITORING SYSTEM CON LA MAGLIETTA «HITOE»

- Biological data collected from Hitoe shirt are used to provide remote monitoring of the health of workers involved in risky activities
- automatic alarms generated in case of serious injury or critical condition, allow to provide immediate assistance

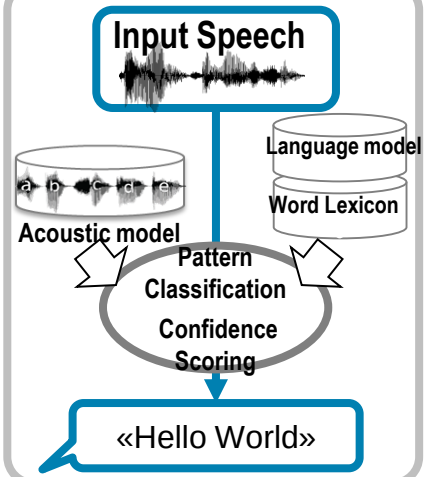
COMPUTER ANTROPOMORFI IN GRADO DI INTERAGIRE IN LINGUAGGIO UMANO

Intelligent Microphone



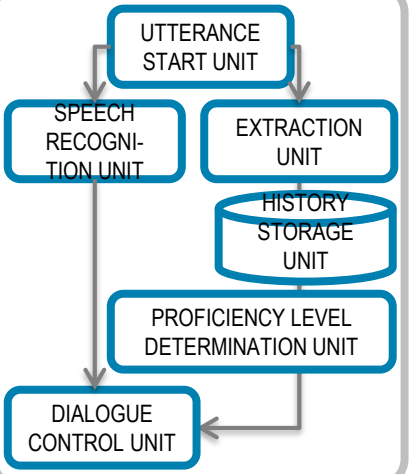
Pick up sound in the area, while controlling noise

Voice Recognition



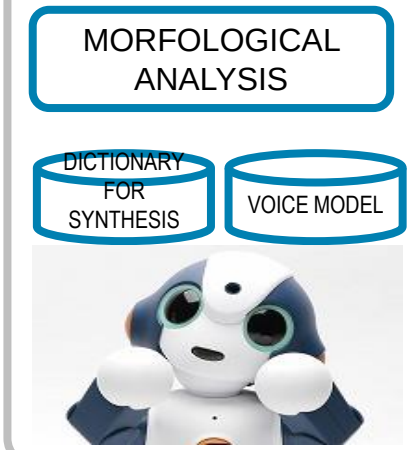
Convert voice into text characters

Dialogue Control



Control response to the recognized voice

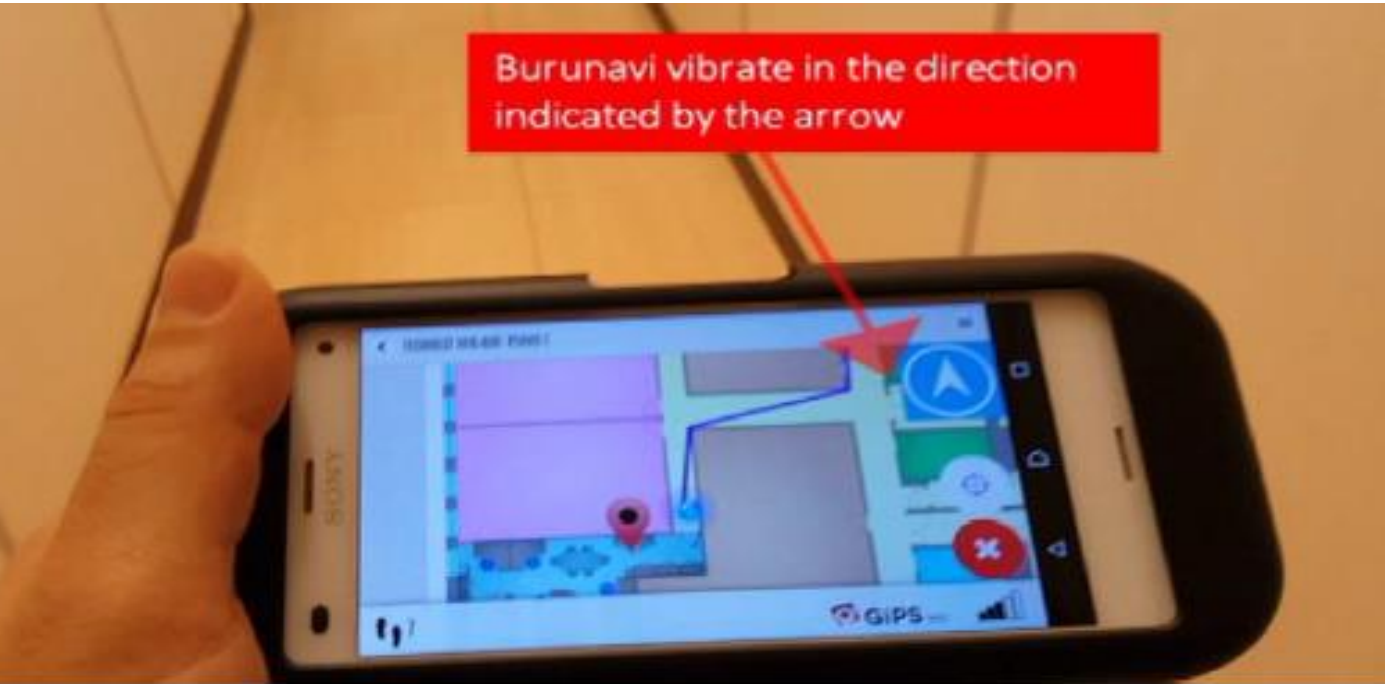
Voice Synthesis



Convert text characters, controlling voice quality, natural intonation and accent

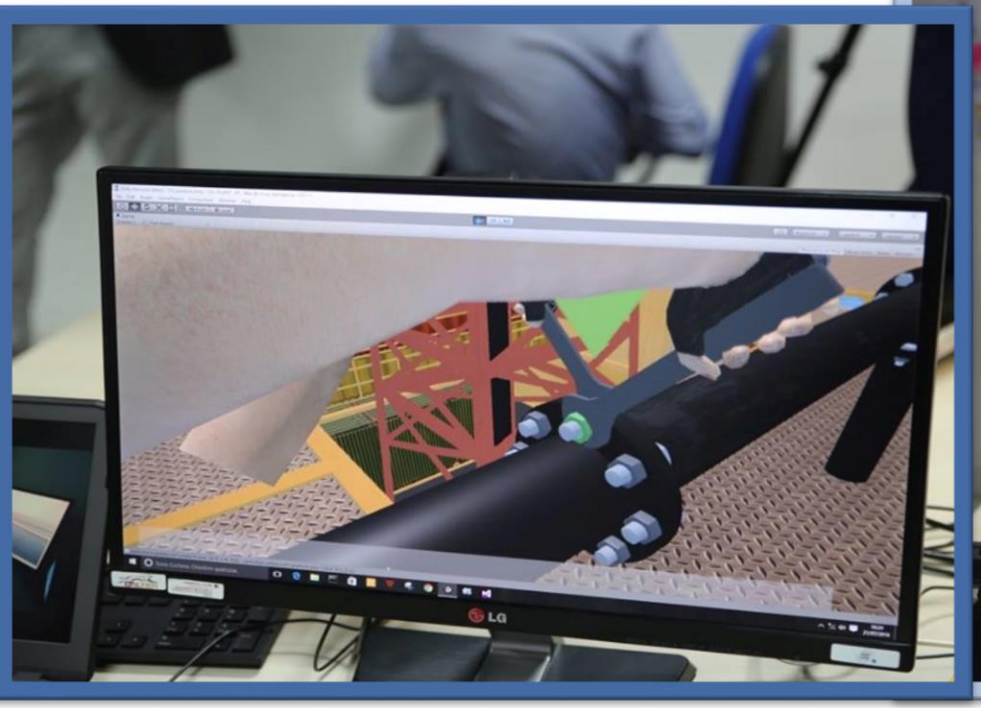
BURU NAVI INDOOR NAVIGATION

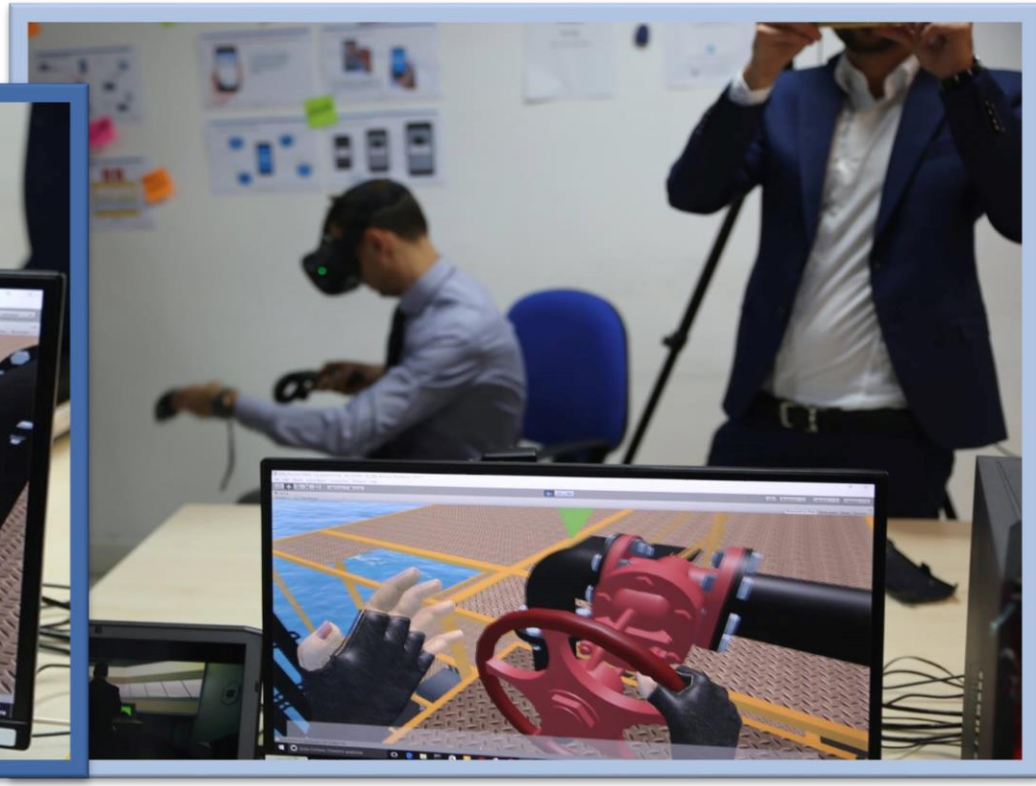
Combining Indoor positioning system based on Geo-magnetical field with “Buru Navi” tactile guidance, provides an innovative indoor navigation system, working without huge infrastructure deployment and supporting navigation also for people with visual handikap



Integration of Buru Navi with Geo-magnetical Indoor Positioning System (GIPStech) was realized in collaboration between NTT DATA Cosenza labs and NTT Labs in Tokyo. The system is demonstrated in the NTT Innovation Forum in Tokyo next February 15th – 17th

VIRTUAL/AUGMENTED REALITY FOR DESIGNING & TRAINING





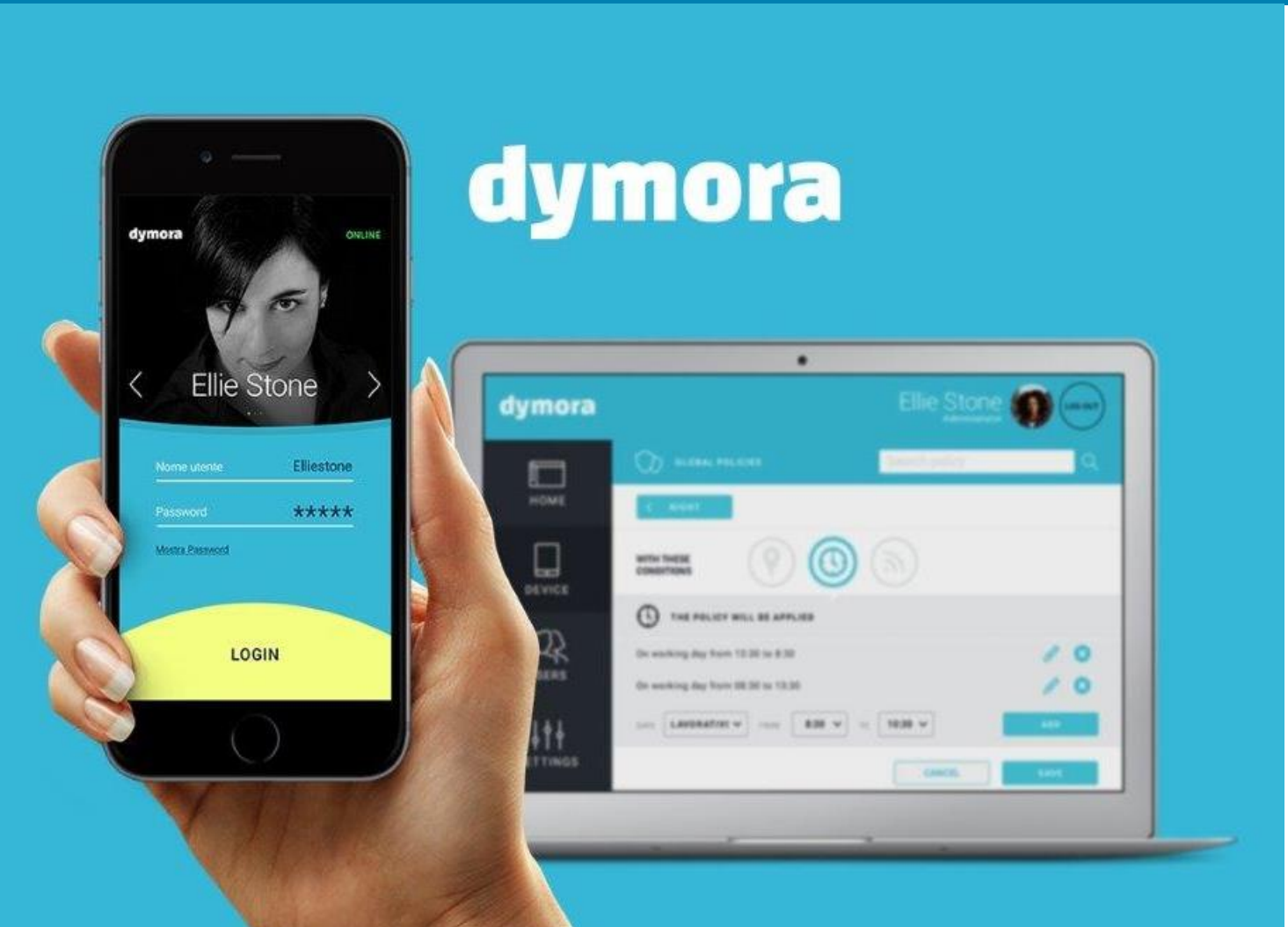
IL DISTRETTO CYBERSECURITY

PUBLIC ADVOCACY

PROTEZIONE DEI SERVIZI IN CLOUD

DEMATERIALIZZAZIONE SICURA

PROTEZIONE END USER



SMART POLICY ENGINE PER LA GESTIONE DEI RISCHI SUI DEVICES MOBILI

MULTIUSER, REGOLE DI SICUREZZA DIPENDENTI DAL PROFILO/COMPORTAMENTO

SEPARAZIONE BUSINESS/PRIVATO

PERSONALIZZAZIONE SENSIBILE AL CONTESTO

NTT DATA

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