

MOVIDA.polis

Physical Activity mHealth Based Platform





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DMAT/ESTG – Mathematics Department /ESTG

CiTechCare — Center for Innovative Care and Health Technology

IPLEIRIA - Polytechnic of Leiria, PORTUGAL















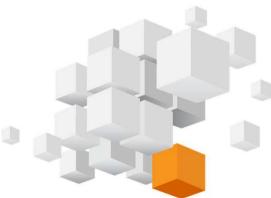




Outlook

- **MOVIDA** platform overview
- **MOVIDA**.polis
- Web Backoffice overview
- **Mobile App main features**
- Conclusion







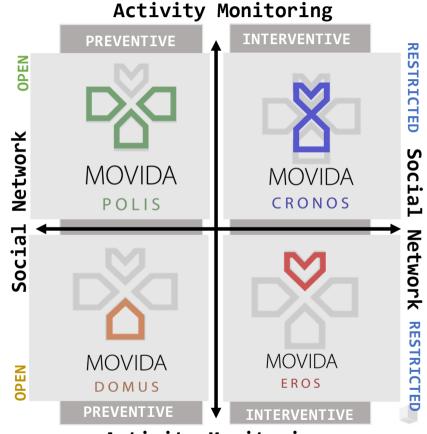
























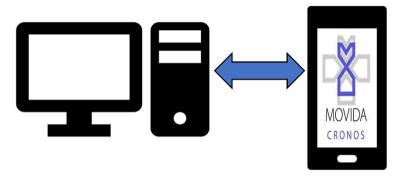












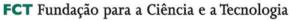
- Primary care | Health professional intervention
- **Chronic Diseases**
- **Prescribe and Monitor PA**
- App (user)+ backoffice (health professional)











MINISTÉRIO DA CIÊNCIA, TECNOLOGIA E ENSINO SUPERIOR













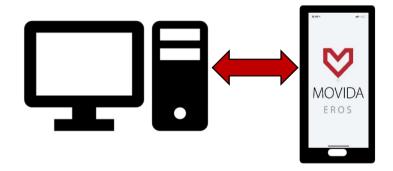












- **Cardiac Rehabilitation Program (CRP)**
- Prescribe and Monitor Exercise in II and III CRP
- **Health Professional intervention**
- After CRP (phase III) MOVIDA.cronos











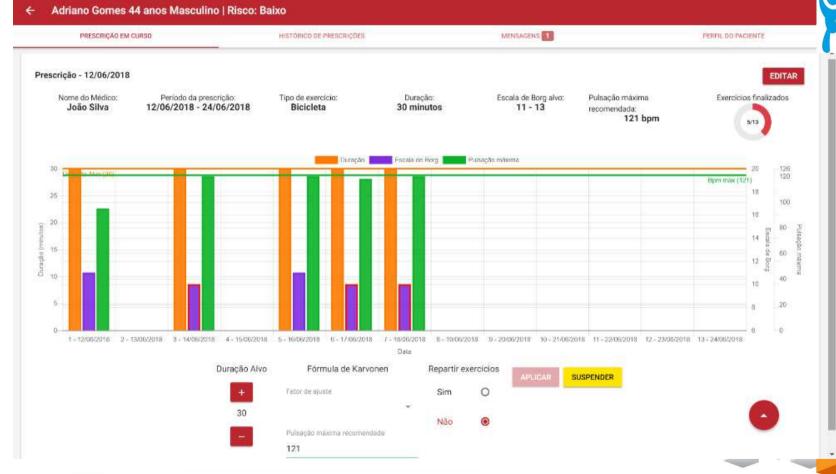








EROS



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FCT Fundação para a Ciência e a Tecnologia

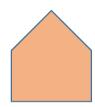
MINISTÉRIO DA CIÊNCIA, TECNOLOGIA E ENSINO SUPERIOR











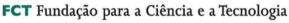
- For elderly and people who live alone
- **Identify daily patterns**
- To create alarms when a change in patterns is identified
- A caregiver is associated to each user





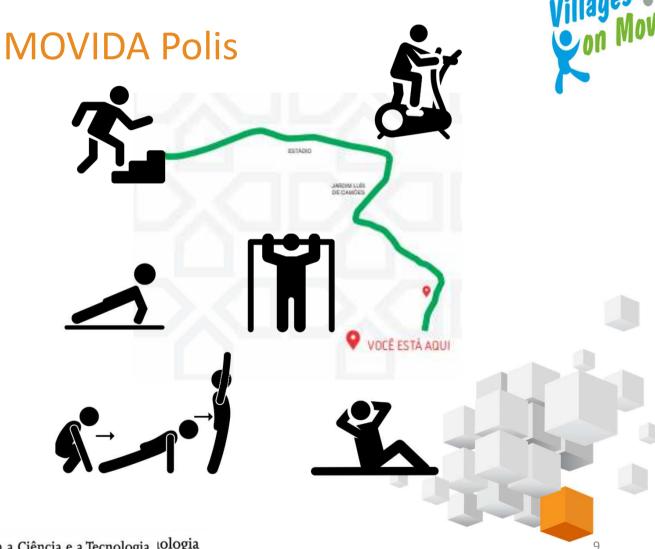






















MOVIDA Polis



Customized Artificial Intelligence Training Program

Goals

- Provide a supervised training program, tailored to individual physical performance and open to the entire community;
- Develop versatile training stations with QRcode interaction;
- Customized recommendations guided by individual performance levels;

Target Audience

All persons capable of performing physical activity;













MOVIDA Polis





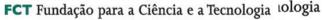














MOVIDA Polis



Customized Artificial Intelligence Training Program



Initial Fitness Level - IFL

IPAQ / Resting HR / BMI

Fitness Level

- IFL / HR /Borg
 - Training station vs Workout
- User main goal



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ENTROPE #2020



Web Backoffice overview





Inserir email...

Palayra nacco

Inserir palayra-passe

ESQUECEU-SE DA PALAVRA-PASSE?









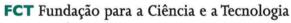




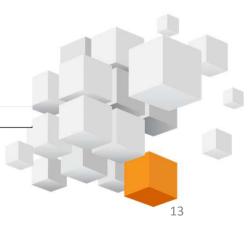








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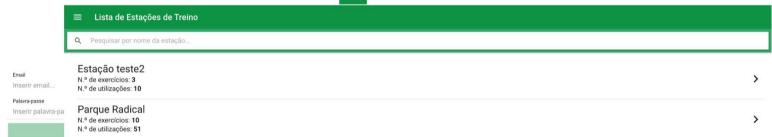


Login

Web Backoffice overview







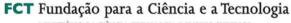














← Estação de Treino - Estação teste2

Web Backoffice overview

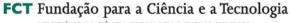


	•
Nome: Estação teste2	
Código QR:	
este_2	
Número de utilizações: 10	
ocalização GPS	
Latitude	
234	
Longitude:	
1234	
Lista de exercícios (3)	
Flexões Nivel de difficuldade: 100	>
100	
exercicio teste	-
exercicio teste Nivel de dificuldade: 50	>
WdW Nivel de dificuldade:	>
1	



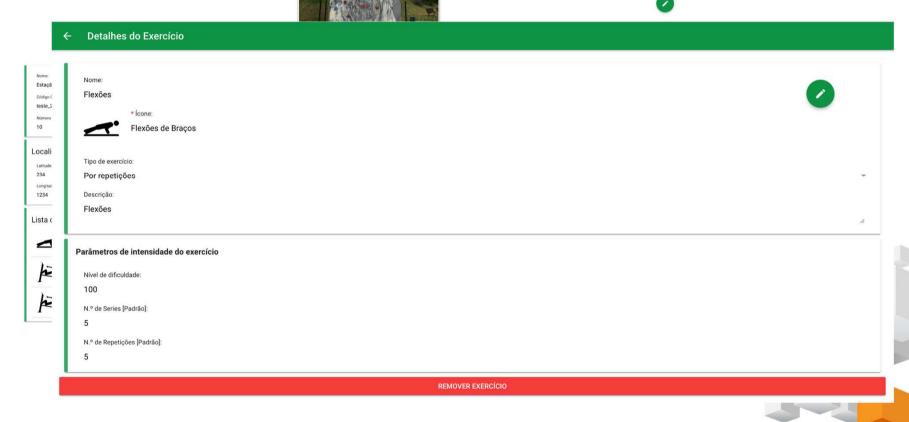






POLITÉCNICO DE LEIRIA Web Backoffice overview





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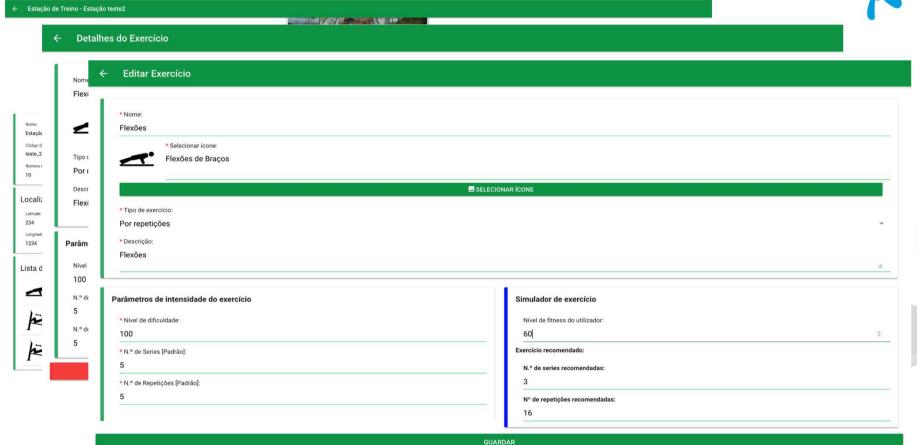
← Estação de Treino - Estação teste2





Web Backoffice overview







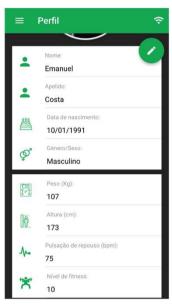


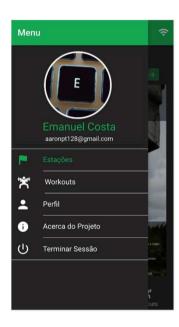




Mobile App main features

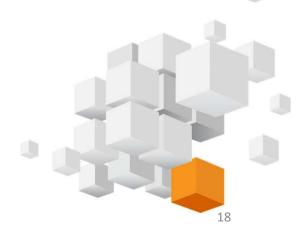








- **App Login**
- **User Profile**
- **Main MENU**













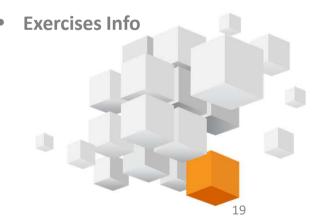
Mobile App main features







- Workout selection
- **Training station Identification**
- **Selection of Exercises**

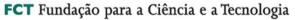




















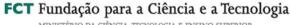


- Start / End exercise
- **Effort Level**
- HR
- % accomplished











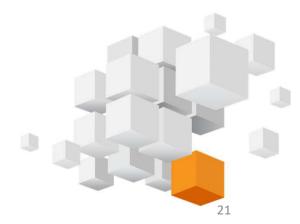








- Fitness Level update
- Workout historic
- **Edit Information**















- MOVIDA is a Community Health Program based on M Technology, interdisciplinarity and interoperability of I services
- Aplies the technology that people already have and take advantage of technological literacy (empowerment)
- Uses Artificial Intelligence methodologies to handle large amounts of data that users create themselves
- Encourages the practice of targeted and customized physic activity, giving safety to the user.





- Wearable integration with
- smartphones;
- More time with real users to test the Al
- Extract new features
- Test in other cities and new circuits









POLITÉCNICO DE LEIRIA Research Team



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