NYX-SYS sleep in performance

Our service and experience





What is Nyx-Sys?

Nyx-Sys is a technological innovation company that was born out of an understanding of the importance of "good sleep" and the direct consequences of sleep quality on physical and mental recovery.

By integrating the measurement and monitoring of sleep as well as the recovery of athletes and sports teams, Nyx-Sys becomes the third pillar in the Nutrition-Training-Rest triad, promoting health and performance.

At Nyx-Sys we want to be part of every person's dream, establishing new paradigms of training and quality of life, based on sleep as a fundamental pillar of physical and mental balance.

From 2024, our service will also be offered in 5-star hotels and residences for the care and monitoring of the elderly.

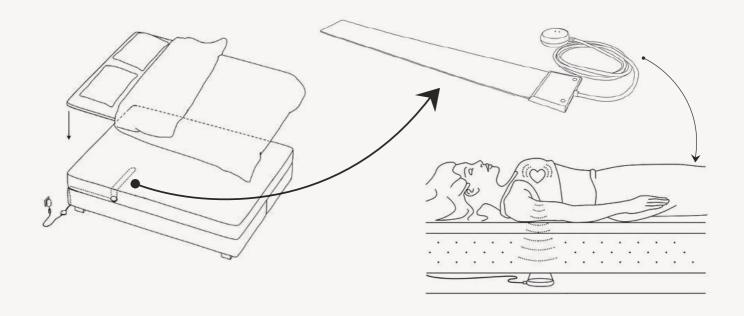


What do we do?

At Nyx-Sys, we want people not only to sleep, but also to rest.

That's why we measure and analyse sleep using ballistocardiography, recording the body movements caused by the mechanical force of the heart.

And we do this through a <u>non-invasive</u> sensor, i.e. **people do not have to wear or use any device**, or even notice its presence, as it is located under the mattress.





On a daily basis the user gets a complete report with physiological metrics on the quality of their sleep and the recovery of their body and mind.

Each data is displayed along with a detailed explanation and tools to give even more value to the information provided.

We provide a comprehensive and immersive experience for the user to learn all about their sleep and how to improve the quality of their sleep.

Nyx-Sys offers a score based on hours of sleep and delivers accurate metrics with an analysis and breakdown of sleep architecture, recovery points, heart rate variability, autonomic nervous system balance, and cardiac and respiratory rhythms throughout the night. Together, they form a valuable and comprehensive sleep profile, allowing users to understand how their body recovers each night and prepares to face a new day.

Interactive platform Easy to use

At Nyx-Sys we provide more than just data, that's why we created an interactive platform where you can understand more about your sleep and learn how to improve it.





Daily and weekly reports



Daily report

Jonathan Abela 35 years old Presence period: 28/11/2023 - 21:57:22 - 29/11/2023 - 06:12:47

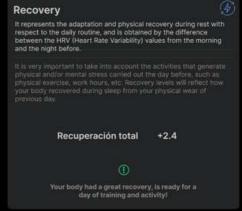


Sleep score 100 Sleep Score is based on your sleep hours and the amount of REM and DEEP sleep you had. Most adults need between 7 and 8 hours of sleep each night. During sleep, multiple biological and hormonal processes enable good health and allow the body to function optimally.

ďb Sleep architecture Each sleep cycle lasts between 90 and 110 minutes and are an essential part of a healthy sleep pattern. Breakdown of sleep in to three stages: Light, REM and Deep sleep: All three stages have different physiological characteristics, and their meaning to your body is different. 08:18:09hs In bed 04:24:00hs (40%) 01:36:30hs (13%) 07:52:30hs In sleep 01:52:00hs (27%) 00:25:39hs (6%)

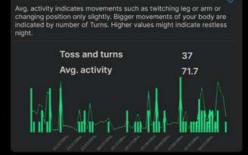
Autonomic Nervous System balance The ANS is responsible for regulating many of the body's invol-functions, such as heart rate, blood pressure, and digestion. Is divided into: Parasympathetic | 52% Sympathetic Your ANS has a predominance of the srasympathetic system, it means that your body has recovered during sleep.











Movement

Improving your sleep quality

We bring you some habits to enhance your sleep.

Go to bed and wake up at the same time every day will help your body to understand when it's time to sleep; also avoid drinks with caffeine or alcohol and eating heavy meals at least 2 hours before sleep time.

Reading or taking a warm bath are good habits to avoid worrying or became anxious, as well as stop using electronic devices near the time you want to sleep, ideally, the room should be quiet, dark, and at a temperature that you are comfortable with.

Breathing rate



Nyx-Sys takes your sleep further in 2024

HOTELS



Sleep monitoring service in luxury hotels with wellness and spa centres





Nyx-Sys takes your sleep further in 2024



Residences for the elderly

To improve the sleep of the elderly and improve their quality of life.





Summary and strengths

- Fast growing company with a unique product on the market.
- Innovative technology.
- Major national and international collaborations already underway.
- Team of professionals.
- Important commercial agreements in development for the coming years.
- Certified data delivery.



Our dream team

Our HQ is located in the Gozo Innovation Hub in Malta, the heart of the Mediterranean Sea.



DAVIDE CASTELLO FOUNDER & CEO



FERNANDO LERNER

CHIEF TECHNOLOGY

OFFICER



SEBASTIÁN RUIZ CHIEF OF SOFTWARE DEVELOPMENT



ALBERTO LUNGHERINI

S&C COACH

FIFA FITNESS COACH

EXPERT IN INJURY RECOVERY



FRANCESCO FIORE

ATHLETIC TRAINER & EXPERT
IN SLEEP SCIENCE



SALES EXECUTIVE



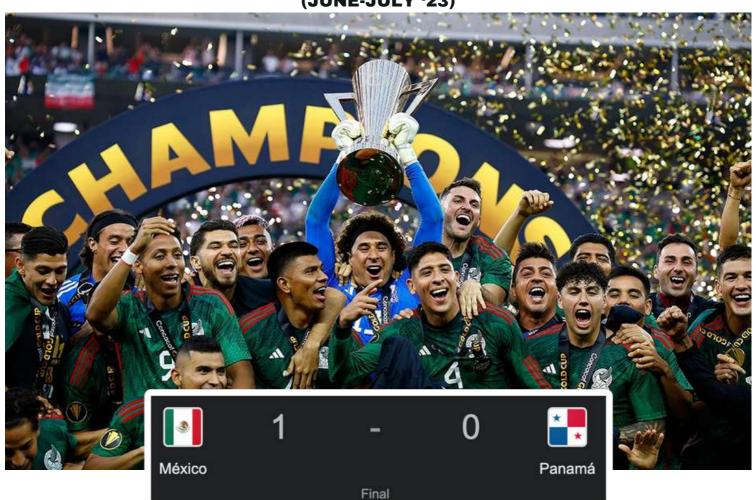
DAVIDE CONTRINO
LOGISTICS MANAGER





MEXICAN FOOTBALL FEDERATION

GOLD CUP CHAMPIONS (JUNE-JULY '23)







ITALY NATIONAL TEAM

WOMEN'S VOLLEYBALL - LEAGUE OF NATIONS (JUNE - JULY '23)





ITALY NATIONAL TEAM

UEFA EUROPEAN UNDER-19 CHAMPIONSHIP (MALTA - MAY-JUNE '23)







MEXICAN FOOTBALL FEDERATION

QATAR WORLD CUP FOOTBALL QUALIFIER (DOHA - JUNE '22)







MEXICAN FOOTBALL FEDERATION

PRE-WORLD CUP RETREAT (GIRONA - NOVEMBER '22)









ITALY NATIONAL TEAM

WOMEN'S VOLLEYBALL - VOLLEYBALL WORLD CUP (HOLLAND - JUNE-JULY '23)









MEXICAN FOOTBALL FEDERATION

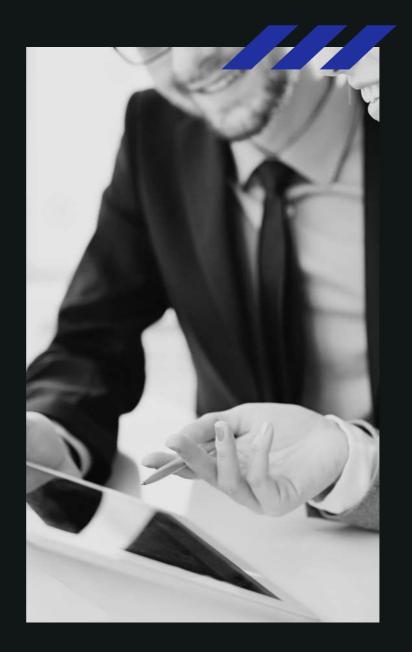
QATAR WORLD CUP 2022 (QATAR - NOVEMBER - DECEMBER '22)







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