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Dear Mr. Maitner,

With this offer, we present the Cellair Pro, a professional IHT/IHHT system for commercial/medical facilities.

The Cellair Pro is the result of the consistent further development of our systems based on the experience and knowledge gained over the past years. It combines the best of development, practice, and technical optimization into a mature, long-term system solution.

Interval hypoxia hyperoxia therapy uses controlled alternations between oxygen-reduced and oxygen-enriched breathing air to stimulate adaptive processes at the cellular level.

In contrast to conventional height concepts, the stimuli are set:

- individually tailored
- software-supported
- structured and documented
- systemically secured



POSITIONING

FROM HYPOXIA TO A STRUCTURED APPLICATION SYSTEM

IHT/IHHT applications are now used in a wide variety of settings. Patients, initial conditions, and treatment courses can change from session to session.

For operators, this means one thing above all else: a system should not only be able to change oxygen levels, but also enable clear and comprehensible process management. Several factors therefore play a role in everyday practice: different physiological starting points for patients, changing users in practice, the long-term comparability of sessions, and a structured evaluation of training responses.

Many conventional IHT/IHHT systems focus primarily on the technical generation of hypoxia. However, the real challenge in everyday practice lies in the structure and management of the entire process. Three aspects are central to this: consistent hypoxic stimulation, controlled dynamics between stress and recovery, and long-term stable results in practice. The central idea is therefore not what is technically possible, but what is reproducible and sensibly applicable over many years.

The Cellair Pro is not just a training device; it is a professionally managed application system that supports you in carrying out applications in a structured manner, documenting results in a comprehensible way, and making treatments comparable over the long term.



THE CONSEQUENCE

So you are not making an individual investment, but rather a strategic decision in favor of a professional and responsible IHT/IHHT platform.

For your practice, this means:

- Medical quality in application
- Clear structure and maximum safety in the treatment process
- Long-term stability in practice operation
- Professional positioning of the facility

THE CELLAIR PRO AS A SYSTEM

The Cellair Pro consistently transfers Cellgym training into a technical system architecture. The focus is on understanding IHT/IHHT as **a guided training process** that combines stimulus, response, and evaluation into a cohesive unit. Cellgym IHT/IHHT does not follow an isolated parameter approach. The decisive factor is the interaction of control, progression, and classification throughout the entire session.

THE CELLAIR PRO SUPPORTS THIS APPROACH BY:

1. Precise stimulation

Oxygen variation is finely tuned and controlled. Hypoxia and reoxygenation phases can be designed to be reproducible and clearly distinguishable from one another.

3. Internal measurement and control architecture

Measurement and control are systemically linked. Stability, consistency, and plausibility of oxygen values form the basis of reliable process control.

2. Software-supported process control

The system software provides structured support for each session. Phase transitions, progress, and parameters are continuously recorded and placed in a comprehensible context.

4. Evaluation and comparison logic

Session histories are evaluated and documented in a uniform manner. This creates a reliable basis for comparability across time, individuals, and locations.

For practices, this means:

A reproducible training process instead of isolated individual applications.



PPRIMARY AREAS OF APPLICATION



Doctors and medical facilities

For medical users who value structured training management, traceable processes, and high safety standards.



Longevity and Performance Center

For centers with a clear focus on quality, medical connections, or professional training management.



High-end hotels and resorts

For businesses that integrate Cellgym IHT/IHHT as a quality-assured, professionally supervised offering in a quiet, safe environment.



Institutions with a long-term perspective

For organizations that value investment security, operational continuity, and clear system logic.



Therapeutic and interdisciplinary health centers

For facilities with a medical or therapeutic background that provide systemic support and documentation for Cellgym IHT/IHHT.



THE COMMON DENOMINATOR

All of the above-mentioned areas of application have one thing in common:

Cellgym IHT/IHHT is not “used” but guided. The Cellair Pro is therefore not a device for arbitrary use, but a system for professional responsibility.



APPLICATION SCENARIOS

The following areas of application show where the Cellair Pro is useful and why.

1. Preventive medicine & medical health programs

Typical starting point

- Chronic lack of energy
- Stress, vegetative imbalance
- Reduced mitochondrial efficiency despite unremarkable standard diagnostics

Why Cellair Pro?

- Baseline-based measurement prevents overstimulation
- Reproducible stimulation-recovery cycles
- Controlled reoxygenation to limit oxidative stress

2. Regeneration & exhaustion

Typical starting point

- Post-infectious exhaustion
- Chronic fatigue
- Reduced resilience with low objective pathology

Why Cellair Pro?

- No exercise hypoxia
- Precisely adjustable stimuli

3. Longevity & Anti-Aging Concepts

Typical objectives

- Maintaining mitochondrial function with increasing age
- Improving cellular adaptation reserve
- Delaying age-associated energy loss

Why Cellair Pro?

- Long-term comparability of sessions
- Adaptive instead of extreme hypoxia
- Location-independent reproducibility

4. Metabolic dysregulation & early insulin resistance

Typical starting point

- Reduced metabolic flexibility
- Impaired substrate utilization
- Early insulin resistance

Why Cellair Pro?

- Controllable hypoxia pulses without system overload
- Comparable stimulus progression over weeks
- Integration into medically supervised programs

5. Sports & Performance – medically supervised

Typical objectives

- Regeneration
- Improvement of mitochondrial efficiency
- Adaptation support outside of exercise

Important distinction:

The Cellair Pro is not a system for uncontrolled high-performance hypoxia, but rather a tool for structured, professionally supervised applications.

The Cellair Pro is used wherever mitochondrial quality, cellular energy availability, and long-term adaptation are paramount. Not as an event or extreme hypoxia, but as a precisely controllable instrument of cell and energy medicine.

Disclaimer: The fields of application described represent typical areas of use in preventive or performance physiology contexts. The Cellair Pro is not a medical device and is not intended for the diagnosis, treatment, or cure of diseases.

SYSTEM & FUNCTIONS



OAPC – NEW INNOVATION FOR SECURITY AND GLOBAL COMPARABILITY

Atmospheric pressure as a safety-related factor

Cellgym IHT/IHHT works with defined oxygen concentrations as a training stimulus. A key factor influencing the actual stimulus intensity is the **ambient atmospheric pressure**, which changes with altitude. Identical oxygen values produce **different hypoxic stimuli** under different pressure conditions. This changes the load, safety, and comparability, even with the same device settings.

OAPC controls Cellair systems as if they were at sea level. If the ambient pressure changes, the system automatically adjusts the oxygen configuration and performs the hypoxic stimulus in a pressure-compensated and controlled manner.

A new global standard

OAPC makes it possible for the first time to conduct Cellgym IHT/IHHT in a **globally comparable manner**, regardless of location, altitude, or atmospheric pressure. This capability is a world first in hypoxic training, represents a key safety feature, and is implemented exclusively in Cellair Pro. OAPC thus defines the new standard for **safe, globally comparable Cellgym IHT/IHHT**.

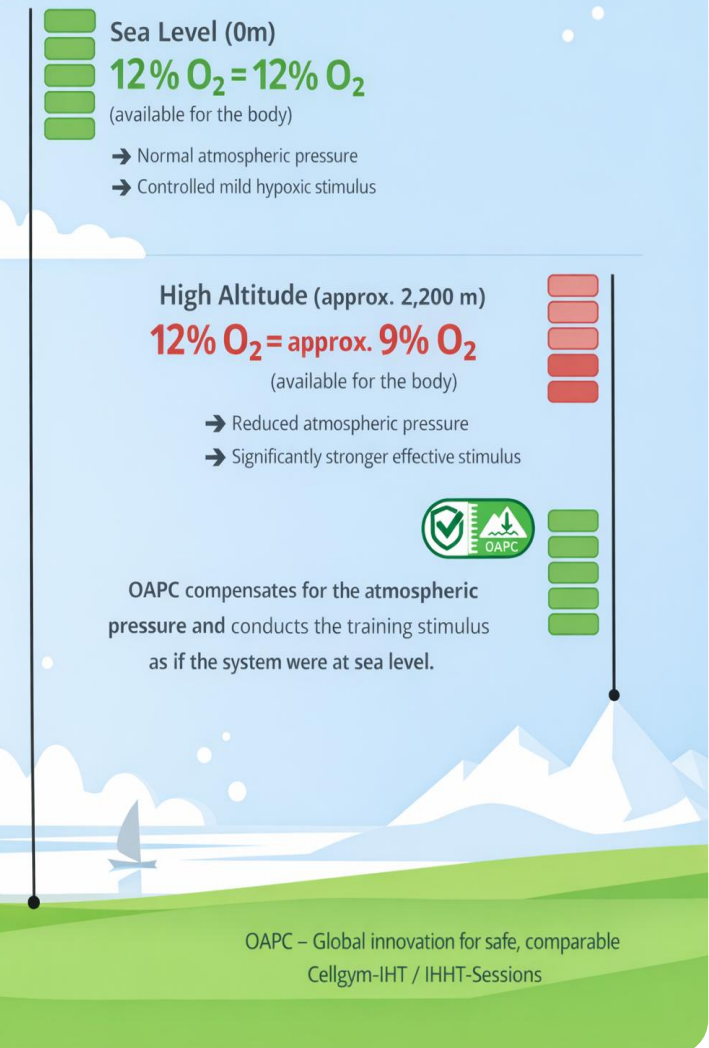
Safety through pressure-compensated stimulus delivery

OAPC ensures that:

- the hypoxic stimulus remains stable and safe
- unintended stimulus amplification at high altitudes is avoided
- **controlled training** is maintained even at low oxygen concentrations
- sessions are **reproducible and comparable regardless of location**

Why identical oxygen levels are not the same?

Identical oxygen levels are not the same at different altitudes.





HRV – HEART RATE VARIABILITY

HRV in the Cellgym system is much more than just a measurement. It is your **objective marker for adaptation, regeneration, and training progress**.

During use, the system records heart rate variability in real time and uses this data to individually control oxygen intervals. This means that training is not rigidly prescribed, but dynamically adapted to the current regulatory capacity of the autonomic nervous system.

For your practice, this means:

- Personalized control instead of a standard protocol
- Objective progress monitoring over several sessions
- Visible progress in recovery ability and stress resilience
- Greater safety through continuous monitoring

HRV makes training measurable, reproducible, and individually optimizable. This is precisely the difference between simple interval training and an intelligently controlled system.



DUAL INTERNAL O₂ SENSOR ARCHITECTURE

The Cellair Pro operates with a dual safety architecture consisting of two independent internal oxygen sensors. These continuously monitor and validate the oxygen control. The result is high control stability and process reliability throughout the entire session.



OXYGEN INTELLIGENCE MODE

Oxygen Intelligence Mode was developed to specifically **guide reoxygenation phases**. Oxygen is used as needed, based on the actual course of training.

The focus is on a training physiology principle: additional oxygen only has a beneficial effect where an oxygen debt has previously been incurred. Any oxygen supply beyond this increases oxidative stress without generating any additional training benefits.

Oxygen Intelligence Mode therefore ensures:

- Targeted reoxygenation
- Consciously limited oxidative stress
- A balanced equilibrium between
- Stimulation and recovery



HSI – HYPOXIC SESSION INDEX

The patented Hypoxic Session Index (HSI) is a central component of the Cellgym principle. It is used for the structured and standardized evaluation of each individual training session. This makes training progress measurable, comparable, and objectively assessable.

Within seconds, the HSI enables a precise analysis of training quality, highlights individual potential and progress, and helps to optimize settings in a targeted manner. At the same time, it increases safety during use and creates a transparent basis for evaluation over time and across different individuals.

In short, the HSI makes training results visible, controllable, and reproducible.



The Cellair Pro follows a well-thought-out system approach. It is not individual functions that are decisive, but rather the structured interaction of clearly defined and coordinated system levels. Three functionally independent components interlock to form a closed architecture that enables stability, traceability, and consistent process quality.

LEVEL 1 Objective evaluation of the application

HSI – Hypoxic Session Index
(patented)

The HSI evaluates each session objectively and comprehensibly:

- Analysis of physiological response over time
- Assessment of stress, efficiency and adaptability
- Comparability between sessions and users

Result:

Quality becomes measurable, documentable and reproducible, not estimated or interpreted.

LEVEL 2 Active, adaptive process control

OAPC – Oxygen/Atmospheric Pressure
Compensation

OAPC controls the oxygen supply depending on the context and conditions:

- Adaptation to environmental conditions (e.g., altitude, air pressure)
- Prevention of unintended overstimulation or understimulation
- Stabilization of the hypoxic dose across location and time

Result:

The set stimulus remains controlled, consistent, and reproducible, regardless of external influences.

LEVEL 3 Technical System safety

Dual internal O₂ sensors
(true redundancy)

Two independent oxygen sensors in the system core:

- Continuous mutual plausibility checking
- Increased measurement and control reliability
- Significant reduction in systemic error risks

Important:

Internal O₂ sensors secure the system. SpO₂ measurement monitors the human body's response of the person. Both are useful, not interchangeable.

The decisive factor

These three levels:

- are functionally separate
- address different risk areas
- complement each other
- cannot be replaced or combined by individual measures

**Only their interaction creates
true system security.**

This means stable results over many years, lower liability and operator risk, and reproducible quality regardless of location or personnel.

ECONOMIC IMPACT

Practical example calculation:

Session price: 50 to 70 euros

3 sessions per day

220 operating days per year



33,000 to 46,200 euros

Annual revenue per system

The minimum five-year maintenance cycle for optical laser sensor technology reduces service costs and increases predictability in continuous operation.



5-year maintenance cycle for O₂ sensors

Low operating costs

Most hypoxia systems require annual maintenance of the oxygen sensors. This is due to sensor drift, calibration requirements, and safety and liability-related requirements. **Cellair Pro is currently the only hypoxia system with a 5-year maintenance cycle for its internal O₂ sensors.** This is made possible by high-quality sensors, redundant design, and permanent internal plausibility checks.

10-year cost comparison

(per device, conservative assumptions)
Session revenue €70 · 4 sessions/day

Revenue loss per maintenance day: €280
Service costs per maintenance: €900

Cost per maintenance: €1,180

Standard system

Annual maintenance · 10
maintenance checks
= Total cost: €11,800

Cellair Pro

5-year cycle · 2 maintenance checks
= Total cost: €2,360

Result:

\$9,440

**lower operating costs
per device over 10 years**

Less maintenance means less downtime, greater predictability, and higher margins. The 5-year maintenance cycle of the O₂ sensor technology makes the Cellair Pro significantly more economical than standard hypoxia systems on the market over its entire service life, while also offering greater technical reliability.

Illustrative calculation example. Deviations possible depending on usage and service agreement.

OPERATION & CONTROL

Confident control with the Cellair Control software

The Cellair Pro is controlled via the Cellair Control software. It maps Cellgym IHT/IHHT as a clearly guided, concise training process and presents all relevant information in a structured manner.

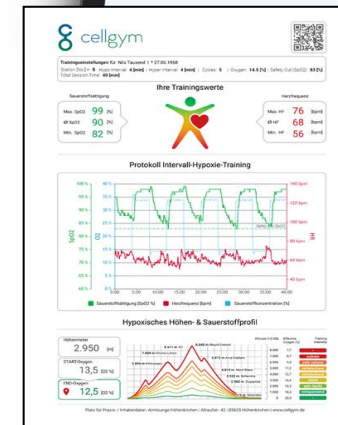
Phase guidance, system status, and session progress remain transparent and traceable at all times. The Cellair Control software supports training guidance that focuses on **overview, control, and process reliability**. Control is achieved through **systemic logic and visual feedback**, not through constant manual intervention.

Maximum flexibility for your practice.

Control is conveniently carried out via the control software on any PC, laptop, or tablet, regardless of the operating system. **Up to 10 systems can be managed in parallel via one screen.** Compatible with all common displays and operating systems such as Windows, iOS, Android, and Linux.

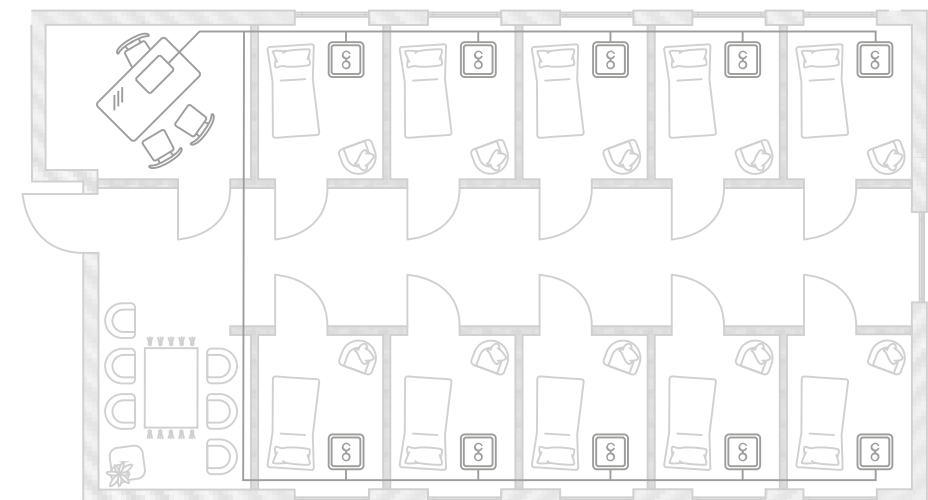
The Cellair Pro is a system that grows with your practice.

Thanks to the internet connection, regular software updates can be carried out. This means you benefit continuously and free of charge from all further developments, provided that no hardware adjustments are necessary.



Documentation & backup

Complete documentation and backup of all training data. Thanks to the internet connection, training logs can be printed out with just a few clicks.



ADVANTAGES OF THE NEW MODEL SERIES

STATE-OF-THE-ART TECHNOLOGY

Air treatment without oxygen cylinders.

99.8% AIR PURITY

Absolutely clean air thanks to a high-performance micro-filter system, which is also used in space. The air you breathe through the breathing mask is cleaner than anywhere else on our planet.

THE CELLAIR PRO IS ECO-FRIENDLY

thanks to recyclable components that have been specially for use in the Cellair Pro. This allows us to save 50% on plastic components compared to conventional models, thereby reducing our environmental impact.

ENDURANCE RUNNER

With a service life of 10 to 15 years, the Cellair Pro is a long-term partner for your health.

ENERGY SAVER

Thanks to our clever technology, your Cellair Pro only consumes as much power as is absolutely necessary to achieve optimal training results. Here, too, our focus is on protecting our environment now and in the future.

NO ELECTROMAGNETIC POLLUTION

Thanks to its special housing, the Cellair Pro reliably shields you and your clients from electrosmog.

OPTIMAL NOISE INSULATION,

Developed by a sound design studio.

THE ROOM MASTER

12 years of practical experience have enabled us to develop and build the world's smallest professional system, the Cellair Pro, for our customers. No other system offers such enormous performance with minimal space requirements as the Cellair Pro.

ELEGANT DESIGN

Lean and clean, with a nod to Apple®. The Cellair Pro is a true designer piece for your premises.



State-of-the-art technology



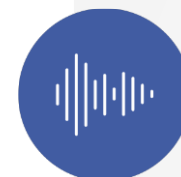
Air purity



Environmental protection & no electrosmog



Durable & saves electricity



Optimal noise insulation



Simple & elegant design

IMPLEMENTATION

The Cellair Pro is designed for professional continuous operation.

- No oxygen cylinders required
- Central control via Control software
- Local data storage
- Internet-enabled update function
- Standardized training for operators and staff
- Integration into existing practice structures without special structural requirements.



STRATEGY

Together with highly qualified experts, Cellgym develops innovative treatment concepts for healthcare facilities based on studies and the latest findings.



SUPPORT

We are there for our customers in every situation. With trained technical professionals, we offer you 360° support.



ACADEMY

Our webinars, offer your team, practical support for integrating the latest research findings into everyday practice in a safe and structured manner.

At the same time, we attach great importance to constructive exchange within our network of experts. This not only generates knowledge, but also real synergies from which you benefit in the long term.



MARKETING

Professional marketing makes Cellgym visible to your target group, builds trust, and ensures that interest turns into concrete bookings. We support you in positioning yourself clearly, draw attention to your practice through our Cellgym finder, and are happy to assist you with all your marketing questions.

TECHNICAL DATA

System logic and safety architecture

- + HSI – Hypoxic Session Index
- + OAPC – Oxygen Atmospheric Pressure Compensation
- + Dual safety system
- + Oxygen Intelligence Mode

Measurement and sensor systems

Measured physiological parameters:

- + **SpO₂**
(peripheral oxygen saturation)
- + **Heart rate (HR)**
- + **Respiratory rate (RR)**
- + **Heart rate variability (HRV)**

Oxygen measurement:

- + Optical O₂ laser sensor technology
- + No consumables, low drift, long-term stability

Training and system parameters

- + **Training modes**
IHT (hypoxia/normoxia)
IHHT (hypoxia/hyperoxia)
- + **Oxygen concentration**
Hypoxia: 9–19% O₂
Normoxia: 20.9% O₂
Hyperoxia: 21–34% O₂
(Hypoxia range corresponds to simulated altitudes of approx. 720 m to 6,640 m)
- + **Maximum phase length**
15 minutes
- + **Maximum session duration**
90 minutes
- + **Safety shutdown (SpO₂)**
Individually adjustable: 70–90%

Operation and Design

- + **Dimensions (W × H × D)**
42.2 × 57.5 × 49.2 cm
- + **Weight** 43.8 kg
- + **Power**
220 V · 50 Hz
(adjusted to country specifications when ordering)
- + **Power consumption**
Standby < 1 W · Operation up to 600 W (depending on mode)
- + **Noise**
< 49 dB
- + **Color**
RAL 9003 Signal white, powder-coated

Software and control

- **Cellair Control software**
- + Central control and documentation



OPTICAL PHASE CONTROL

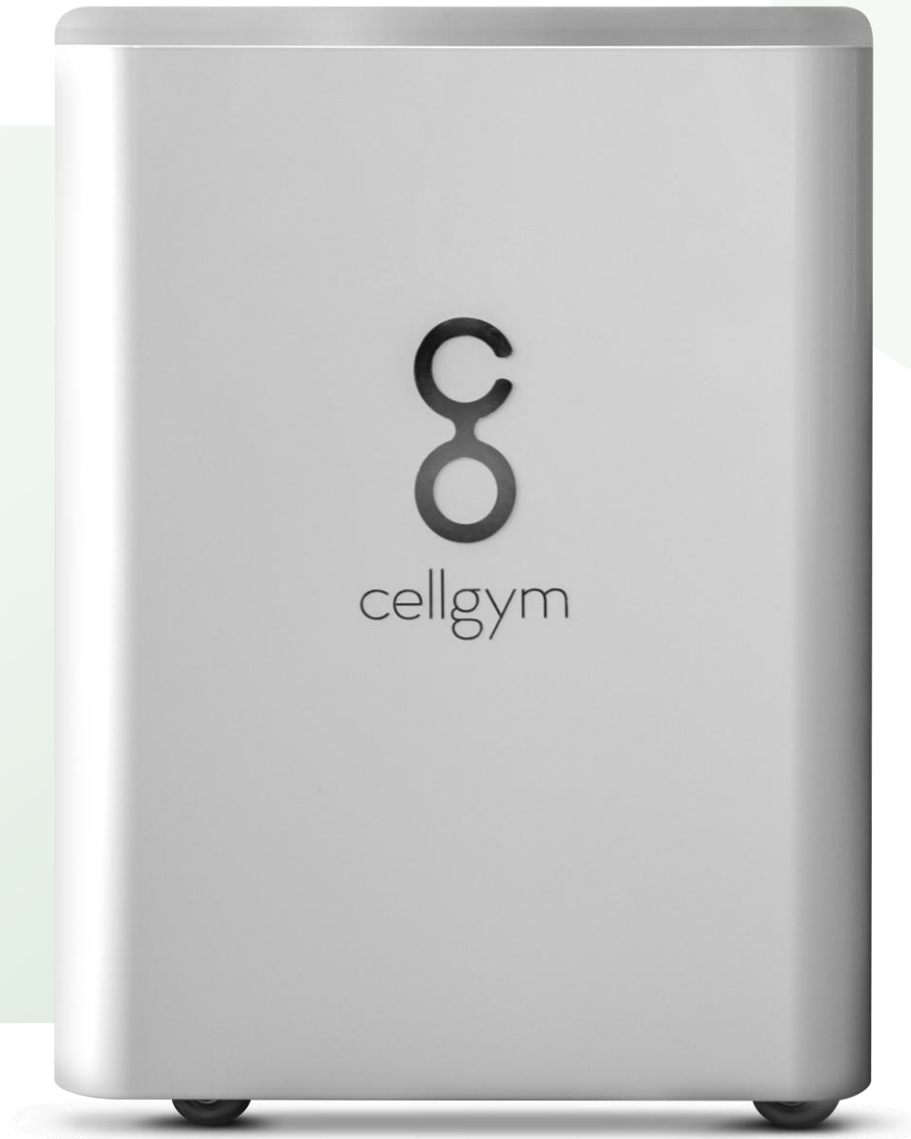
Light ring on the system.

The training phases are displayed in different colors, allowing the client to see which phase of training they are currently in.

SCOPE OF DELIVERY

Components included

- 2 x Cellair Pro System (rollable)
- 2 x Cellair Controller (hardware)
- 2 x Cellair Control (software)
- 2 x Pulse oximeter
- 2 x HRV chest strap
- 6 x double-port breathing masks
- 2 x Mask strap
- 6 x virus filters
- 2 x Breathing tube (1.80 m)
- 2 x Connection and power cable
- 2 x Operating instructions (digital)
- LAN cable
- 2 x Angle piece



OPTIONAL:

SPORTS MASK

Durable & easier to put on



The Cellair Pro is
as a fully integrated
system.