



HUMAN CENTERED DESIGN FOR IDIAG AG

## Breathe deeply

The next generation of respiratory muscle training equipment from IDIAG combines medical evidence with user-friendly usability.



Since the beginning of 2020, the word „home“ has a new sound and meaning, especially in connection with breathing. Together with Nowak Engineering, Erdmann Design has created a new generation for „Home care breathing therapy“ from an existing product.



The development of medical homecare products requires that design decisions are seen and guided through the end-users' eyes from the very beginning.

Using the simplest of prototypes, the parameters of technical development, usability and company concerns are strategically aligned and developed step by step in a team.

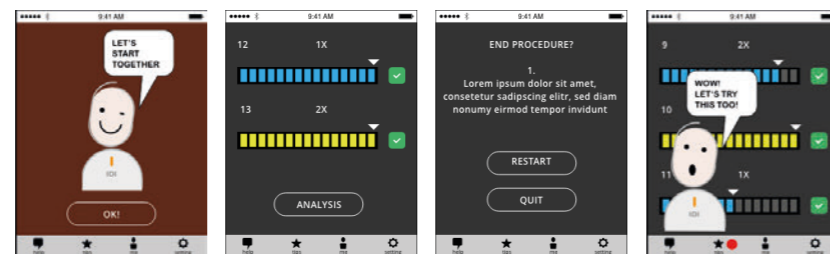
The respiratory trainer, designed as a sports device, has also proven to be excellent for the therapeutic treatment of COPD patients based on medical evidence.

These findings led to the regulatory-approved breathing trainer.

Training programs motivate and interact with the users. The indices of the training groups are shared and documented.



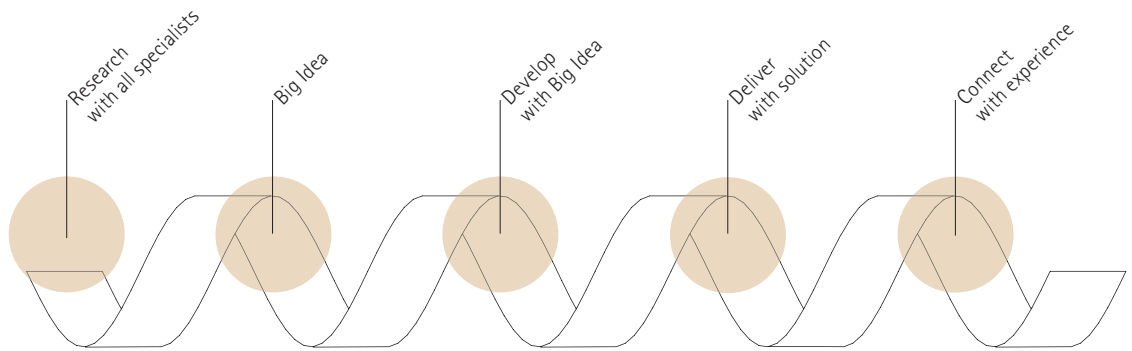
Early prototypes and implementation



Concepts of user guidance: the GUI with a guide that leads and accompanies you through the program.



The P100 respiratory training device from IDIAG and its components.



Project since 2015

Subprojects:

Human Centered Design

Usability Workshops

Cooperation Engineering

Screen Design

Industrial Design

Testing

Industrialisation

Design for production



[www.idiag.ch](http://www.idiag.ch)

Erdmann Design AG

Stahlrain 2

5200 Brugg

Switzerland

T +41 55 242 00 50

[www.erdmann.ch](http://www.erdmann.ch)

[info@erdmann.ch](mailto:info@erdmann.ch)