



BiancaMed

Monitoring Sleep...

While the Patient Sleeps Comfortably at Home



BiancaMed is working with Qualcomm Life to make its SleepMinder™ wireless sensor easier for patients to use at home to simplify set-up challenges.

BiancaMed, a ResMed company, was founded in 2003 as a spin-off from a research faculty group at University College Dublin School of Engineering and is primarily focused on monitoring sleep and respiration using non-contact sensors and software. The company's product, SleepMinder™, makes it possible to monitor an individual's respiration pattern wirelessly. SleepMinder is the world's only non-contact device for monitoring sleep and breathing in the home. The device's wireless motion sensor captures respiration data through its sensors and software, analyzing movement within its range. The chest movements are analyzed using sophisticated signal processing. The device can capture and report on data, such as breathing rates and other metrics of sleep quality. Interpretation of the data from SleepMinder can help identify root causes of sleep problems and screen for sleep apnea right from the individual's own bed.

To learn more, visit www.BiancaMed.com.



Influencing the Future

"Qualcomm Life is helping make futuristic home health monitoring devices a reality today—removing the burden of wireless setup from both device manufacturers and end users."

Ciaran McCourt
Director of Business Development, UCD,
Dublin, Ireland

Qualcomm Life is helping BiancaMed say "Goodbye" to the challenges of wireless connectivity and say "Hello" to increased reach.

CHALLENGE

Simplify device setup and increase connectivity options for patients using in-home sleep monitors.

SOLUTION

Wirelessly integrate Qualcomm Life's device-agnostic, easy-to-connect 2net Platform with existing systems.

BENEFITS

- "Always on" nature of the 2net Platform's wireless technology will provide a more reliable delivery method than Wi-Fi or Bluetooth® options.
- Two-way transfer capabilities of the 2net Platform will allow data to be pushed seamlessly to physicians from the cloud and back to individuals with physician guidance, night after night.
- Plug-and-play connectivity design of the 2net Hub reduces device syncing challenges, making setup easier for the end user.

"Goodbye" to connectivity issues. "Hello" ease of use.

CHALLENGE

BiancaMed is looking for a way to increase its sleep monitor's reach by making it easier to monitor sleep and respiratory patterns outside of a sleep lab or hospital and collect near real-time data night after night with a wireless device. However, reliability issues have kept the company from developing Wi-Fi solutions in the past and Bluetooth connectivity has proved challenging for individuals trying to sync with their sleep monitors. The company is looking to find a solution that is easy to set up and simple for elderly individuals who are not tech savvy.

SOLUTION

Qualcomm Life's 2net Platform will provide the answer. Designed to meet HIPAA privacy and security requirements, the FDA-listed 2net Platform enables two-way data transfers and will give BiancaMed a more reliable option than Wi-Fi and an easier connection than Bluetooth, thus lowering the barrier to patient adoption and offering the possibility of increased revenue. Once integrated into the 2net Platform, SleepMinder will be able to be used by many more people to accurately capture data outlining an individual's sleep pattern, night after night, without leaving home.

BENEFITS

By collaborating with Qualcomm Life to overcome the barriers of device configuration, BiancaMed is working to advance the diagnosis of sleep conditions with its unobtrusive in-home monitoring device that could make the sensor-laden sleep center experience a thing of the past. With data from SleepMinder, physicians will have an accurate picture of an individual's sleep patterns, while individuals will be able to take more control of their own wellness by identifying optimal sleep conditions to better manage their own sleep cycles.

Why Qualcomm Life?

Collaboration with Qualcomm Life allows BiancaMed to address wireless challenges and free the BiancaMed team to focus their efforts on sales. By removing the burden of device configuration and connection limitations of other data transfer platforms, Qualcomm Life's easy-to-connect 2net Platform will make it simple for individuals to monitor their sleep on a nightly basis, ultimately providing more reliable and consistent data to physicians via a platform designed to provide security and increasing the overall value of BiancaMed's device.

Advantages

The history, engineering skills and wireless knowledge that Qualcomm Life brings to BiancaMed allow the team to turn its attention from the challenges of wireless connectivity to focusing on scaling its business. With the 2net Platform, Qualcomm Life offers BiancaMed the opportunity to turn its vision for future home health care into a reality today.

Connecting with an Experienced Partner

The wireless connectivity experience, know-how and global interoperability Qualcomm Life brings to BiancaMed enable the company to leverage:

- A potentially global footprint with top-notch engineering and unrivaled wireless expertise
- A system designed for reliable and secure data transfer
- An ecosystem of companies dedicated to improving wireless health devices
- One-of-a-kind, two-way functionality that is easy to integrate

The Future of the BiancaMed Pipeline

In the future, BiancaMed plans on leveraging data collected by complementary medical devices and the two-way functionality of Qualcomm Life's 2net Platform to improve usability and facilitate providing diagnostic data to physicians.

* BiancaMed products are not available as medical devices integrated with the 2net Platform at commercial launch.

Learn more about Qualcomm Life and how the 2net Platform can help your business. Visit qualcomm.life.