

# MediXcloud

by DYXnet

A Remote Patient Monitoring (RPM) solution for secure, real-time and continuous measure to empower your patient care journey and reduce the risk of cross-infection under **COVID-19**.



# MediXcloud Remote Patient Monitoring(RPM) Solution

By leveraging DYXnet's secure cloud platform to synchronize and consolidate data from certified wearable sensors on patients in multiple locations into a single platform instantly and continuously, it offers a convenient way and an early trigger system for hospitals, clinics and elderly centres to identify early signs of patient deterioration, and to capture data for retrospective analysis.



## Measure

Our sensors are optimized for human physiology and detect vitals at clinically-proven locations

## Process

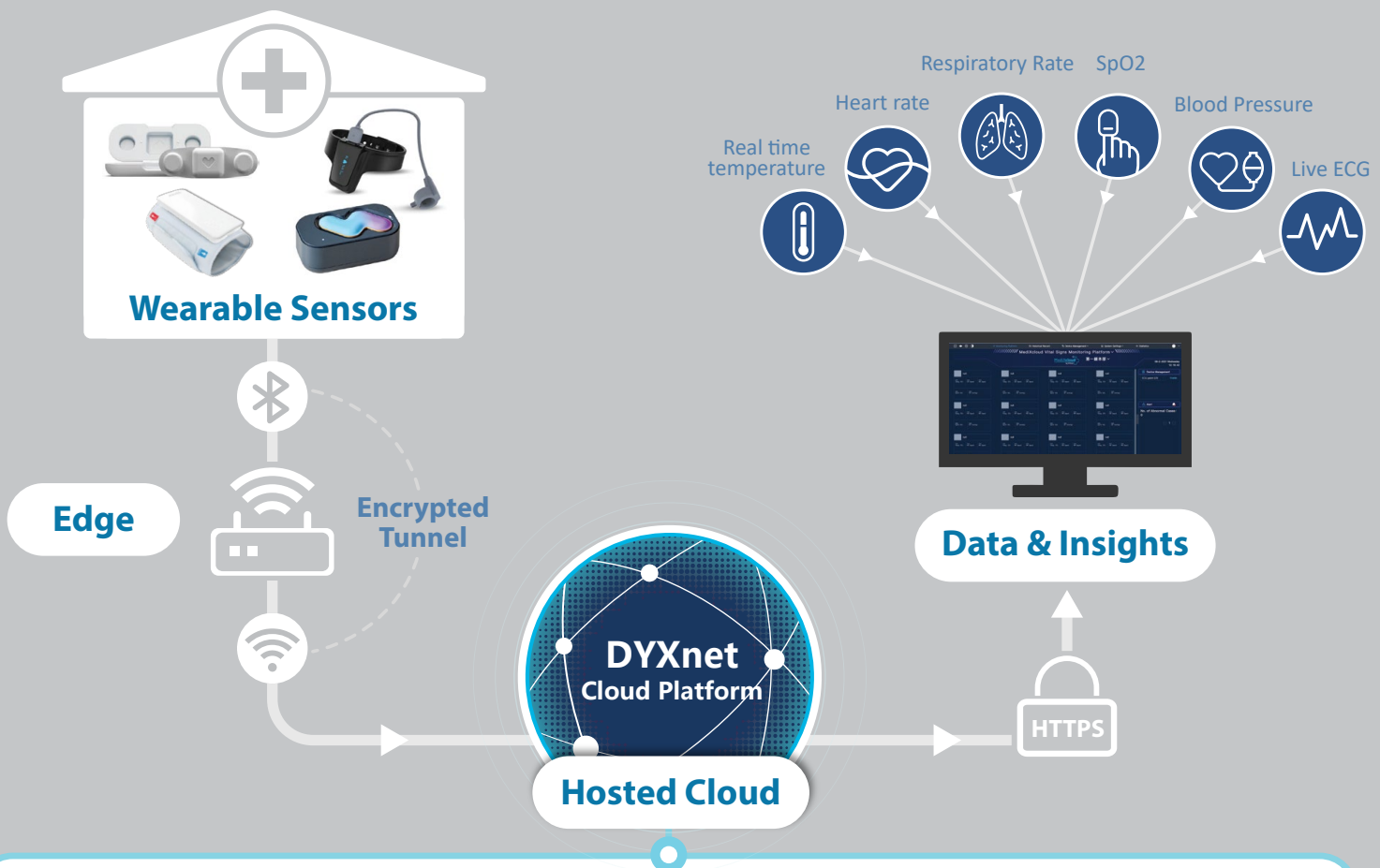
Automatically capture high integrity continuous, periodic and episodic vital data

## Analyze

Better measurement and data analytics for speedy user decisions

## Actionable insights

for real-time detection, diagnosis and intervention



## Cloud Platform

DYXnet MPLS-based enterprise network possessing of numbers of licenses and ISO certifications. Its encrypted tunnel allows the transmission of vital data seamlessly and securely.



# Medical Wearable Sensors

## Cardiac ECG Monitor



- **CE/FDA/NMPA certified**
- **Multiple vitals and parameters**
- **Reusable and rechargeable**
- **World's smallest ECG patch**

- Heart Rate Sampling: 1/sec
- Respiratory Sampling: 1/sec
- ECG: 128 Hz
- Accelerometer: 5 Hz
- Continuous BLE live stream
- 24hr cache
- Up to 96 hours per charge

## Temperature Monitor



- **CE/FDA/NMPA certified**
- **Clinical thermometer**
- **Reusable and rechargeable**
- **Pediatrics cleared**

- Temperature Sampling:
  - 1 every 12 sec live
  - 1 every 5 min cache
- Variation:  $\pm 0.1^{\circ}\text{C}$  ( $37^{\circ}\text{C}$ - $39^{\circ}\text{C}$ )  
 $\pm 0.2^{\circ}\text{C}$  ( $34^{\circ}\text{C}$ - $37^{\circ}\text{C}$  /  $39^{\circ}\text{C}$ - $43^{\circ}\text{C}$ )
- Continuous BLE live stream
- 20hr cache
- Up to 21 days per charge

## Blood Pressure Monitor



- **CE/FDA/NMPA certified**
- **Single piece cuff design**
- **Application programmable**
- **IoT cloud enabled**

- Systolic and diastolic blood pressure  
Range: 0-300 mmHg
- Variation :  $\pm 3\text{mmHg}$
- Continuous BLE live stream
- 200 times cache
- Up to 130 tests per charge

## SpO2 Monitor



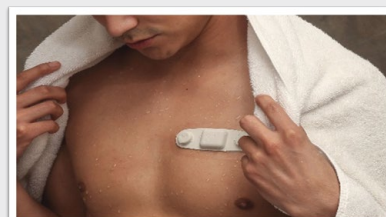
- **CE/FDA/CFDA certified**
- **Measure nighttime recovery**
- **Continuous data capture**
- **IoT cloud enabled**

- SpO2 Sampling: 1 every 4 sec
- Pulse Rate Sampling: 1 every 4 sec
- SpO2 range: 70% to 100%
- Variation :  $\pm 2\%$  (80%-100%)  
 $\pm 3\%$  (70%-79%)
- Pulse range: 30 to 250 BPM
- Continuous BLE live stream
- 10 hr cache
- Up to 16 hours per charge

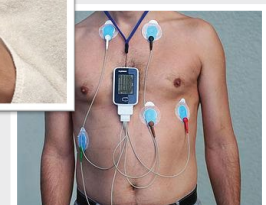


## Award-winning eSkin™ Technology introduced by Vivalink

The first-of-its-kind breathable thin film substrate with integrated circuits and sensors designed for long term wearable use.



**It now works with just ONE sensor!**





**DYXnet** is one of the leading enterprise network solution providers in Greater China since its inception in 1999. With its outstanding performance in delivering secure, stable, and comprehensive network services, it is one of the first ICT service providers in Greater China to obtain several ISO certifications. DYXnet also provides professional services on cloud infrastructures and implementation of SaaS application with its partner eco-system. It is a wholly owned subsidiary of 21Vianet Group (NASDAQ: VNET).

By partnering with **Vivalink (VivaLNK, Inc.)**, a healthcare solution provider with a full suite of wearable medical grade devices and over 100 commercial partners in 25 countries around the world, DYXnet offers the healthcare sector an advance remote patient monitoring solution which satisfies clinical-grade requirements.



## DYXnet

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