



MultiSense<sup>®</sup>

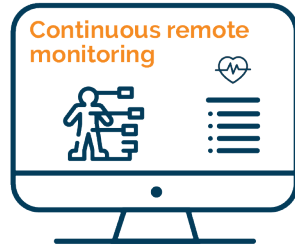
Facilitating hospital discharge with  
continuous remote monitoring



# How continuous monitoring improves postoperative patient management ?

300 millions  
surgeries worldwide  
every year<sup>1</sup>

10%  
complication rate<sup>2</sup>



► Positive results for patients after surgery :

- Reduced hospital length of stay<sup>5</sup>
- Lower complication rates and fewer ICU transfers<sup>3</sup>
- Mortality risk reduced by 39%<sup>4</sup>

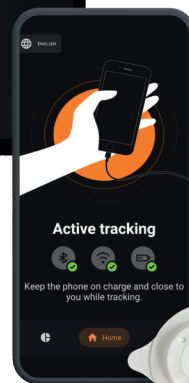
## Continuous remote monitoring of physiological parameters

MultiSense<sup>®</sup> is an innovative, patented medical device combining a secure data platform, a connected mini-patch, and proprietary algorithms.



### MultiSense<sup>®</sup> clinical platform

Secure web interface for managing data collected with the remote monitoring kit



### Remote monitoring kit

MultiSense<sup>®</sup> dedicated patch and smartphone



### Smart cloud environment

Raw data management and analysis with proprietary algorithms (RGPD/Health Data Hosting)



### Patient relationship management center

Direct contact with patients to ensure proper and easy use



### Customizable notifications

By e-mail or sms. To be set up on the clinical platform



MultiSense® measures continuously and entirely remotely a panel of 6 physiological parameters :



Heart rate



Respiratory rate



Oxygen saturation



Activity level



Patient's body position



Skin temperature

\* Other parameters, such as blood pressure, are currently under development.

The patch has been designed for comfort and optimum monitoring.

With the associated smartphone, patients are able to remain independent for their day to day activities



Water-resistant



Flexible and lightweight



At least 5 days monitoring



Clinical grade data quality



## Optimize patient's journey and hospital resources management

MultiSense® enables continuous monitoring of patients' health status in non-critical post-operative situations. The solution facilitates and secures early discharge from hospital.

Without MultiSense®



With MultiSense®



The RDS teams are based in Strasbourg, and the MultiSense® solution is designed and assembled in France.

It has been awarded “Deeptech” by Bpi France, and is a winner of the i-Lab prize from the French Ministry of Higher Education, Research and Innovation, and of the Grand Prix 2022 from the French Academy of Technologies.

RDS is a partner in the Franco-German 5G OR project and the European DARE project (Development of an AI-based Remote patient monitoring and prediction solution for medical applications).



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- Interested in a demonstration?  
Interested in partnering with RDS?  
We'd love to hear from you!

✉ [contact@rdsdiag.com](mailto:contact@rdsdiag.com)

- To find out more, go to  
[www.rdsdiag.com](http://www.rdsdiag.com)  
in RDS (Rhythm Diagnostic Systems)



## References

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