

Case Study

UMC Utrecht – Utrecht, Netherlands

The largest and most comprehensive academic medical centre in the Netherlands with a focus on extensive medical research.

1,100+
Beds



The Challenge

To Become CO2 Neutral

UMC Utrecht were producing more than 200 tonnes of medical waste each year, which was being packed into plastic drums and incinerated offsite.

As part of their organisational strategy, UMC Utrecht set a goal to become CO2 neutral by 2030 and fully circular by 2050.

The Solution

With the introduction of Sterilwave, UMC Utrecht reduced their waste volume by 40%. This in turn reduced the frequency of their waste collection as well as their waste transport costs.

The overall impact Sterilwave has had on UMC Utrecht:



Reduced Waste Collection Frequency

They reduced their waste volume by 40%, which in turn decreased the frequency of waste collection and lowered waste transport costs.



NL's 1st Hospital to Achieve Circularity

By adopting Sterilwave for waste management, UMC Utrecht has become the first hospital in the Netherlands to achieve circularity in medical waste processing.



Sterilwave Waste Aids Cement

Around 30% of the Sterilwave waste is contributed as a sawdust substitute in cement manufacturing.

Conclusion

UMC Utrecht's commitment to sustainability and environmental responsibility has led to significant strides in managing their medical waste. By implementing innovative solutions like Sterilwave, they have not only reduced their waste volume and associated costs but have also pioneered the concept of circularity in medical waste management in the Netherlands.

Focus Areas



Sustainability



**Environmental
Responsibility**



**Circularity in Medical
Waste Management**

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