

# PROJECT - Software & Robotics RECYCLED TEXTILES



Unleashing Hyperspectral Imaging and AI to Enable Sustainable Textile Recycling

In the ever-growing realm of sustainable textile recycling, automation is the name of the game. As the textile industry embraces recycling, the need to optimize the process becomes crucial. To ensure maximum profit and resource conservation, we aim to revolutionize the sorting process by focusing on material composition.

## THE PROJECT

Our mission is to implement near-infrared spectroscopy combined with AI to recognize and categorize material composition in recycled textiles.

Say goodbye to manual sorting and hello to a greener, more efficient future!

## YOUR PROFILE

If you're an enthusiastic student specializing in programming, robot technology, software engineering, or related fields, and you have a passion for machine learning and computer vision, this project is tailor-made for you.

Join us in shaping the future of sustainable textile recycling through the power of technology and innovation. Be a part of the change-makers in the world of recycling and sustainable textiles!

## INWATEC LAUNDRYNERDS

Inwatec ApS develops and produces machines and robots for industrial laundries worldwide. We are a fast-moving company in rapid development and our team is creative and dynamic, with very dedicated employees. We love our informal work environment, where every idea is taken seriously and everybody is treated equally. On Fridays, we meet at our bar for an after-work beer, a barbecue or some ping-pong.

Sounds good? What are you waiting for?  
Apply now at [www.inwatec.dk/job](http://www.inwatec.dk/job)



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