

## Holiferm Ltd

Holiferm was founded on the back of patented gravity separation technology developed at the University of Manchester. As a company we hope to disrupt the market and replace all petrol chemical produced surfactants with our naturally produced biosurfactants. These are not only more economically viable, but more environmentally friendly too.

Economically, utilising our gravity separation fermentation process we are able to manufacture and provide a range of biosurfactants at half the price and a third of the CapEX compared to current processes. We can achieve this due to our process being a continuous cycle, rather than the more commonly used batch production method.

We are an environmentally conscious company. We use natural products, including yeast derived from honey, to produce our biosurfactants. Our process results in a carbon reduction, when compared to

petrochemical surfactants, that is estimated to be around 3 tonnes of CO2 for each tonne of sophorolipids produced.

Our biosurfactants have applications in many products found around the home including cosmetics, skin care, shower gels and hand cleansers. They also have uses in the agricultural and oil and gas industries. We currently have two products on the market; HoneySurf LF and HoneySurf HF. We will soon launch HoliSurf LF and HoliSurf HF for the cosmetics market.

We currently have office space and a test lab in Manchester and a pilot plant in Daresbury. We have recently raised a significant investment from Rhapsody Investments, which will allow us to build our first commercial plant in Wallasey. This will allow us to bring biosurfactants to mass market for the first time.



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**Holiferm is a technology development company that holds proprietary technology developed by the founders at the University of Manchester.**

We are a purpose-led company that aims to accelerate the transition to a circular economy by developing and supplying sustainable, non-fossil-based, fermentation-derived ingredients for industrial and consumer products.

We transform existing biosurfactant and lipid production processes by taking traditional, expensive batch fermentation and developing commercially viable, continuous manufacturing processes to deliver green products to the mass market at the correct volume and price.

### Our products

- HoliSurf HF
- HoliSurf LF
- HoneySurf HF
- HoneySurf LF
- HoneySurf AG



	HoliSurf HF	HoliSurf LF	HoneySurf HF	HoneySurf LF	HoneySurf AG
Personal care	✓	✓			
Home care			✓	✓	✓
Industrial cleaning			✓	✓	✓
Agriculture			✓	✓	✓
pH	6-8	5-7	6-8	5-7	3-5
Wetting	++	+	++	+	+
% active	~60	~60	~60	~60	~60



### Further information

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