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# Aquapak Polymers Ltd



## Business Overview

**ESTABLISHED:** 2005

**LOCATION:** Birmingham, UK

**LISTING:** Unlisted

**TYPE OF COMPANY:** For profit

**NUMBER OF EMPLOYEES:** 15

### BUSINESS AREA:

Recyclable materials,  
Environmental sustainability

### COMPANY WEBSITE:

[www.adiltd.co.uk/aquapak/A\\_hold\\_page.htm](http://www.adiltd.co.uk/aquapak/A_hold_page.htm)

### BUSINESS OVERVIEW

Aquapak Polymers Ltd (“Aquapak”) has developed a ground-breaking specially formulated polymer for use in thin film packaging. This innovative technology offers greater functionality than many regular plastics in terms of strength and durability in a wide variety of everyday applications.

Additionally, the polymer is 100% fully biodegradable, compostable and recyclable and has excellent ecological credentials in end-of-life processing. The new polymer process has the potential to be a circular economy game changer. The base materials are all FDA-approved and hence the product is suitable for food packaging. With the rapid market growth of pouches for product portioning, the product can replace a significant amount of non-recoverable plastic packaging.

Aquapak can therefore make a strong and immediate contribution to changing the way plastics are used in certain global sectors such as food waste, hospital hygiene, electronics, clothing and food packaging, as well as in multiple niche applications.

The Company effectively started operating in 2010 and largely out-sourced development work. However, Aquapak has been building up its own operations and been run as an increasingly independent entity since 2012.

### SOCIAL MISSION

Annual global plastics production has increased hugely over the past 50 years, from 15 million tonnes in 1964 to 311 million tonnes in 2014<sup>1</sup> and is expected to double again over the next 20 years but with serious immediate effects on the environment. In this context, Aquapak’s mission statement is to:

Make a significant contribution to the environment by introducing a major new plastic technology with an economically viable feedstock that has the potential of having a global reach;

Work with regulators, governments and waste management companies to maximise the recycling of plastics on a circular economic model and to educate the public on its responsibilities to dispose of plastic waste in environmentally safe ways;

Accelerate mainstream plastic applications (such as for food waste and laundry) to a sustainable position; and

Bring social benefit to the communities in which it operates by creating new jobs.

### WHO BENEFITS?

**THE ENVIRONMENT:** Reduction of plastic waste to landfill, reduction of greenhouse gases emissions and increased marine safety.

**CUSTOMERS:** Access to durable and versatile bio-degradable plastic products, cheaper than other bio-plastics available in the market.

**UNIVERSITIES:** Increased research on environmental impact and sustainability of plastic materials.

**LOCAL MARKETS:** As Aquapak expands internationally, jobs will be created throughout the local supply chain.

<sup>1</sup> Plastics Europe, Plastics – the facts 2015 (2015)

## Commercial and Financial Summary

### CAPITAL STRUCTURE

Aquapak has received investment totalling over £4 million since its establishment from its main corporate investors adi Electrical Ltd, part of the Systems adi Ltd Group apart from Banks and some private individuals in the UK and New Zealand.

Share capital at 31 December 2015:  
39,341,210 shares of 1p each.

### FINANCIAL PERFORMANCE<sup>2</sup>

In £000	2013 / 2014	2014 / 2015
Revenue	88	90
Net profit / (loss)	(698)	(1,032)
Fixed assets	820	820
Net assets (liabilities)	105	(655)
Cash at bank	257	36
Shareholders' funds	(1,699)	(2,732)

### BUSINESS HIGHLIGHTS

In 2014, the company completed its first external fundraising for manufacturing proof of concept and filed its first patent.

In August 2015, the company completed its proof of concept and filed its main patent.

In March 2016, Shareholder funding extended with new funding facility.

A full-scale production facility for the new polymer is being built in Hollymoor Point in Rubery, Birmingham.

The Company plans to start full commercial launches out of its Birmingham facility early in 2017.

<sup>2</sup> Source: Company background, December 2016  
– No balance sheet information available

## Impact Assessment Matrix

### ECONOMIC IMPACT

	MEASUREMENT	REPORTED OUTCOME
<b>Employment</b>	Forecast new jobs created in international markets	40 new jobs in each region
<b>Recycling Costs</b>	Decrease in plastic recycling costs globally	None reported

### SOCIAL IMPACT

	MEASUREMENT	REPORTED OUTCOME
<b>Training &amp; Development</b>	Total time invested by Aquapak in human capital enhancement (days)	1560
	Number of students involved in research per annum	6

### ENVIRONMENTAL IMPACT

	MEASUREMENT	REPORTED OUTCOME
<b>Waste Management</b>	% reduction of plastic waste that goes to landfill	None reported
<b>Carbon emissions</b>	Volume of CO <sub>2</sub> reduction	None reported
<b>Marine safety</b>	Impact of Aquapak polymer on water fleas	No negative impact observed

### GOVERNANCE

	MEASUREMENT	REPORTED OUTCOME
<b>None reported</b>	None reported	None reported

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