



**Birch
Solutions**

Expert Parts & Service Support

Powering more profit from your AD plant



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Are you only making part of your potential profit?

Do you know, that if you run a 0.5MW AD plant, every 1% loss in efficiency costs you £25,000 a year?

Maximising the potential of your plant and minimising any downtime is crucial as the feed-in tariff is for a fixed period of time and you'll never be able to claim back any money lost to breakdowns or poor efficiency.

The good news is that Birch Solutions is only a phone call away and we can deliver the parts and support you need to make more money from your AD plant.

We provide fast parts supply from our UK stores and expert support, information and guidance to help you improve efficiency and grow your profits. Birch Solutions provides a range of packages that deliver analysis, maintenance, expert support, parts and a rapid response to any breakdowns, ensuring you get more from your plant.

If you'd like to know more, we can provide a free site audit to help you understand how to get more from your plant and learn about how Birch Solutions can make you more money.



£25k

Lost a year for every 1% drop in efficiency





**Fast
parts**

Rapid parts supply & expert support

Birch Solutions has a new parts and service support offer that ensures you can minimise any downtime in your AD plant and maximise your efficiency, increasing your profits.



**UK
stock**

A breakdown is costly. Every minute you can't make biogas is losing you money that can never be made back.



**Expert
advice**

Our focus is on providing fast parts availability, at fair prices, with qualified service support where needed. Crucially, we carry a wide stock of key parts here in the UK – with more than £500,000 of parts in our stores at any time.



**OEM
imports**

We also deal with OEM suppliers across Europe and beyond, managing the importation processes, and consolidating parts packs from multiple sources.

Because we purchase parts for plants across the UK, we can secure the best prices and ensure you get the best value for money.



CASE STUDY:

Expert support from the Birch Solutions team has helped one AD plant operator to generate more than £300,000 in extra revenue by improving the efficiency of the operation.

The AD operator took advantage of the Birch Solutions support package and saw efficiency at the 0.5MW plant increase from 62% to 91% in just three months.

By providing expert analysis, service, parts replacement, maintenance and careful management of the plant, the Birch Solutions team have transformed the performance of the plant which has two CHPs exporting to the grid.

When the team first arrived, the AD plant had unstable biology, low gas volumes, failing components and unstable temperatures. They quickly set about replacing failed components and installing remote monitoring equipment while also implementing a bi-weekly biology sampling and analysis system. A new feed plan was also created to reduce the slurry input.

At the end of month one, efficiency had improved to 77%.



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Generating £300k more from one site

By month two, efficiency was up to 84%, by the end of month three, efficiency was up to 91%.

The support package and repairs cost just £25,000 but have resulted in more than a £300,000 increase in revenue – seeing a return on the investment in just one month.

The client said: “The support and advice we received from Birch Solutions enabled us to transform the performance of our AD plant in just three months.

“They were our trusted advisers during difficult times and through close monitoring of our plant, whether it be physically or remotely, Birch Solutions were able to target the root causes of our reduced gas production.

“The analysis and interpretation of data by Birch Solutions was then explained in such a way we felt we had a good understanding of where we needed to invest our time and resources.

“The return on investment has been significant and it is great to have the security of knowing we have the ongoing support of Birch Solutions to help us maximise the potential of our plant.”



Parts and Service Support Plans

Birch Solutions has a range of cost-effective site support packages and service plans that ensure you minimise any downtime and maximise the profit from your AD plant.

Key benefits of the packages include:

- A free full site audit to maintain key parts supply
- Fast parts availability with qualified service supply
- Access to expert analysis of biology to optimise biogas production and quality
- Expert teams to maintain and service all elements of the AD plant
- Learn from Birch Solutions' expert team about best practice owning and operating disciplines
- Draw on our expertise and insights to increase efficiency and maximise biogas output
- See a significant return on investment as you grow your profits



Birch Solutions Site Support Packages		“Value Provider”	“Support Partner”	“Plant Optimiser”
		Bronze	Silver	Gold
Parts Supply	Site Audit	✓	✓	✓
	Discounted Parts Pricing	-	✓	✓
	Dedicated Inventory	-	✓	✓
	Consignment Stock	-	-	✓
	Health Check	Annually	Quarterly	Monthly
Technical Support	Breakdown Response Pledge	-	<72Hrs	<24Hrs
	Technical Support Availability	-	✓	✓
	Service Engineer Support	Bi-Annually	Quarterly	Monthly
	Gas Leak Survey	On Request	Annually	Bi-Annually
	Repair, Overhaul & Scheduled Maintenance Services	On Request	On Request	On Request
Analysis & Guidance	Digestate Sampling & Reporting - Standard Quality Control	On Request	Monthly	Bi-Weekly
	Digestate Sampling & Reporting - VFA Profile	On Request	Quarterly	Monthly
	Digestate Sampling & Reporting - Trace Elements	On Request	Bi-Annually	Quarterly
	Digestate Sampling & Reporting - Feedstock	On Request	Bi-Annually	Quarterly
	Digestate Sampling & Reporting - Other	On Request	On Request	On Request
	Feed Plan	On Request	On Request	Bi-Weekly
	Digester Level	On Request	Weekly	Daily
	Digester Temperature	On Request	Weekly	Daily
	Gas Volume Analysis	On Request	Weekly	Daily
	Gas Quality Analysis	On Request	Weekly	Daily
	Engine Performance (kW)	On Request	Weekly	Daily
	Alarm Review	On Request	Weekly	Daily
	Trend Analysis	On Request	Weekly	Daily

Want to know how you can make more from your AD plant?

← Contact us to access fast parts, a
range of service support packages
and also get a free site audit →



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