

ALL-ROUND FULL-SERVICE PACKAGE

Mobile Adsorber made by
 **CarboTech**
The activated carbon people

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HIGH QUALITY ACTIVATED
CARBON WITH OUR ALL-ROUND
FULL-SERVICE PACKAGE.



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AT A GLANCE

**Our 360° Service for business customers:
Everything from a single source. And as straightforward as possible.**

- Activated carbon Exchange Service for all makes of equipment
- Logistics for all activated carbons
- Proper disposal
- All-Round Full-Service Package
- Advice
- Training offering
- Laboratory services
- Grinding
- Plug & Clean systems
- Wide range of applications

WE'RE AT YOUR SERVICE

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WORLD LEADER IN ACTIVATED CARBONS AND SERVICE!

At CarboTech, we are one of the world's leading manufacturers of high-quality powdered, granulated and extruded activated carbons for demanding applications and offer our customers the **360° Service** that's right for them. And more besides: efficient and resource-saving reactivation means our actions are sustainable and promote a functioning circular economy.

Located at the heart of Europe, our integrated production facilities manufacture, refine, package and reactivate activated carbons and carbon molecular sieves. All common raw materials are used in the process. Our fluidised bed process – the only one of its kind in the world – guarantees our customers highly effective activated carbon of consistent quality for a wide range of challenging cleaning processes.

Using our decades of experience in activated carbon and the expertise we've gained along the way, we now act as a full-service provider to customers in a wide range of industries. Our **360° Service** ranges from consulting and laboratory services to mobile Plug & Clean systems and a replacement service for all makes of equipment.

NEW ACTIVATED CARBON REQUIRED – OUR **EXCHANGE SERVICE** TO THE RESCUE!

If your activated carbon is fully saturated or at the end of its service life, we have the answer – our flexible Exchange Service supplying your mobile or stationary solution with fresh activated carbon or a new Plug & Clean system. We'll get the fresh activated carbon working for you and remove the used carbon from site, eventually feeding it back into the cycle after reactivation.

This way you get everything from a single source during a single visit, ensuring minimum downtime. Further benefits include the high uptime of our Plug & Clean systems, fast response times and the expertise of our own service technicians.

We deliver – and take it away again!

In addition to a large, efficient logistics network, CarboTech also has its own fleet of vehicles allowing us to be more flexible than many competitors through better scheduling, and enabling us to plan routes more efficiently to minimise fuel consumption and emissions.

Manufacturer-independent.

If you want, we're also happy to take care of running other manufacturers' Plug & Clean systems. This covers delivery, collection, refilling and start-up. We'll also gladly provide you with an additional Plug & Clean system from our pool.

Sustainability – made by CarboTech.

Using products several times over before disposal – at CarboTech we've long been committed to thinking, managing and acting with sustainability in mind. That's why our activated carbon can also be used several times over, thanks to efficient and resource-saving reactivation using our fluidised bed process – the only one of its kind in the world – which reactivates without any loss of quality.

If our lab analysis shows your used activated carbon cannot be reactivated, it will be recycled professionally with proof of energy recovery.

OUR ALL-ROUND FULL-SERVICE PACKAGE

360° Service – just the way you want it. Our All-Round Full-Service Package has been designed with your needs in mind. Starting with our objective lab analyses, we'll sit down with you and set the replacement intervals around the availability of your systems.

The benefit to you is that our 360° Service boosts your planning capability, allowing you to focus on your core processes and our optimised processes and supply routes mean we both do our bit for greater sustainability.

Another key benefit is added security, as 24/7 availability guarantees you direct contact with our experts any time of day or night. Fast response times are guaranteed thanks to optimised inventory storage and our own logistics fleet. Our firm price promise ensures your costs stay level throughout the entire contract term.

Has our All-Round Full-Service Package aroused your interest?

Feel free to contact us about it!





ADVICE: ACTIVATED CARBON. JUST FOR YOU.

Which activated carbon is the right one for your application? Does your application require virgin material or reactivated carbon? Is the answer a Plug & Clean system or a fixed installation? What limits must be observed? What are the right replacement intervals to **hit the sweet spot on the cost/benefit trade-off?**

Our experts will be happy to answer these – and other – questions for you. To do this, we'll engage with you in open, honest dialogue – offering expertise you can rely on. Our preferred practice is to partner with customers and global partners for the long term, communicating openly, directly and with maximum transparency in a relationship where our word is our bond. This breeds total trust – in our quality products and in ourselves as individuals.

This also means you always have your very own point of contact at CarboTech. Our experts know what you need, they know the market and they know the legal requirements. **As you can see, at CarboTech we attach great importance to advice and guidance.**

OUR TRAINING OFFERINGS FOR MAXIMUM SAFETY.

When it comes to activated carbon, swapping out material and assessing the related service needs, questions abound: How to get the best out of your application? Can you withdraw gas samples yourself? And what to look out for in terms of maintenance?

Our experts will be happy to answer these – and other – questions on request in bespoke training courses tailored specially to your requirements. We start by conducting a preliminary discussion with you to decide content and delivery – at your premises or via remote communications – and to agree all necessary detail before attending to process and documentation issues.

Finally, you'll receive a compact compendium from us after the event, containing all relevant details for subsequent reference. This way, you'll always be able to refer back to what was discussed. Our approach is designed to ensure you and your employees receive the best possible introduction to working with activated carbon **and always know exactly what to do.**





OUR LAB WILL SEE WHAT YOUR ACTIVATED CARBON IS MADE OF.

We'll analyse your activated carbon's cleansing and purification performance in our own laboratories and our analysis will ensure you stay within specified criteria. Especially for new or complex tasks in the gas and liquid phase, lab testing is absolutely fundamental.

Based on the determined effectiveness and benefit analysis, we can guarantee an efficient high-quality product suitable for your application.

If you wish, we can also determine the cleaning performance and saturation capacity of your previous activated carbon. **Do the results of the analysis meet your expectations?** We'll be happy to analyse the results with you, and if you wish we'll make you an attractive offer to swap the products out for our own.

GRINDING ACTIVATED CARBON – SPECIALLY FOR YOUR APPLICATION.

From our own mill: ultra-efficient, easy-to-separate powdered activated carbon. We'll supply you with the right mixing ratio for your application, a real boon when it comes to achieving perfect separation and filtration properties.

Powdered activated carbons (PACs) are used in water treatment, most commonly in Stage 4 purification or in drinking water production. Using our expertise, we're also able to offer you the right solution for specialist applications.

Our **360° Service** includes delivery, collection and refilling of your mobile or stationary filter systems using CarboTech PAC. Delivery and collection is performed using our own silo trucks with on-board suction and pressure systems, or alternatively in pre-packed FIBC bulk bags.





PLUG & CLEAN SYSTEM – FOR QUICK AND EASY CLEANING.

Our Plug & Clean systems are the convenient solution for almost any application, giving you the benefit of our high quality activated carbon. These flexible systems are available in different sizes and are filled individually to suit your application.

Our Plug & Clean promise

With our rental plan, hiring our Plug & Clean systems means no investment is necessary. Our 360° Service promise: our systems will enable you to clean gaseous or liquid substances quickly and easily. If the activated carbon is saturated with pollutants, we'll replace the Plug & Clean systems – quickly, cleanly and safely. And of course with minimum effort for you, because we handle all the supply and disposal tasks.

Our Plug & Clean system gives you a mobile **All-Round Full-Service Package**. With our help, you can focus on what really matters: your core business.

AREAS OF APPLICATION

Liquid phase

- › Treatment of landfill leachate (humic substances, AOX, EOX), industrial waste water and condensate
- › Dewatering during construction work, pumping tests and remediation of contaminated sites
- › Cleaning of final product in the chemicals industry
- › Retention of pyrolysis gasoline, benzene, toluene, xylene, styrene and amines

Gas phase

- › Purification of biogas, landfill gas and sewage gas (siloxanes, H₂S, mercaptans and VOCs)
- › Adsorption of solvents
- › Tank breathing systems and cleaning of tank emissions
- › Exhaust gas desulphurisation

Is your application is not included? **Just contact us – we'll be happy to help and advise!**

CONTACT

We'll be happy to convince you face-to-face of our All-Round Full-Service package and present our 360° approach to you. Simply get in touch with us!

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