



CONSULTING SERVICES



CarboTech
The activated carbon people

CarboTech Consulting Packages

Basic

Standard

Premium



**Which package do you need?
The choice is yours.**

PERFECT ADVICE THANKS TO OUR CONSULTING SERVICES

Successful implementation requires [good advice](#) as a basis.

That is why CarboTech offers a comprehensive range of consulting services, the components of which can be tailored to the [individual needs](#) of our customers.

Choose only what you need

From our solid basic modules to our comprehensive premium modules. This allows you to keep costs in check and avoid paying for unnecessary services.

Our consulting services range from laboratory or gas analysis services and application technology packages to our Plug & Clean service packages. Whichever consulting package you are interested in: You can rely on the [many years of experience](#) of our experts, who will support you throughout the entire project.

If you are interested, please contact us and together we will find the best way for a [productive collaboration](#).



LABORATORY PACKAGES

Basic

Standard

Premium

Standard specification analysis

✓

✓

✓

Additional special analytics

x

✓

✓

Report incl. recommendation for action

x

x

✓



WHAT'S IMPORTANT IS WHAT'S INSIDE NO PROBLEM THANKS TO OUR LABORATORY PACKAGES

When it comes to the applications of activated carbon, it is clearly the inner values that count.

If the **quality** of the activated carbon is not right or if activated carbon is used that is not suitable for this application, you as the customer will incur unnecessary costs as the results of the **cleaning performance** are not satisfactory or the carbon in your filters has to be replaced after far too short a time. All this is accompanied by additional costs that could have been prevented by a good coordination of quality, **area of application** and **on-site conditions**.

In our „Laboratory“ consulting packages, we offer this valuable look behind the scenes and also shed light on the adsorption behavior of your activated carbon. In the premium version, you also receive a detailed report including a recommendation for action.



GAS ANALYSIS LABORATORY SERVICE

Basic

Standard

Premium

Main components
(methane;carbon dioxide;oxygen;nitrogen)

✓

✓

✓

Ammonia, hydrogen sulphide and longer-
chainchain hydrocarbons >C5

✓

✓

✓

Organic silicon compounds (siloxanes)

x

✓

✓

Evaluation of results

x

x

✓



WE STEP ON THE GAS WITH OUR DETAILED GAS ANALYSIS

Another building block we offer is laboratory services for your [gas streams](#).

From ammonia to nitrogen or siloxanes: depending on the module selected, our gas analysis portfolio offers all the analysis options you need to obtain an all-round view of all the substances contained in your gas. Especially due to the tightening of the strict [legal limits](#) (e.g. [TA-Luft](#)), a precise analysis is indispensable.

We distinguish between two analytical specifications:

Basic specification analysis

for pellets, granulates and powders

Vibration density
Sieve analysis/particle distribution
Water content
CTC
Iodine value
BET surface area
Ash
Methylene blue value
pH value

Desorption analysis

Benzene isotherm (for three states)
Vibration density (for three states)
XRF (heavy metals, AOX/total chlorine)
Radioactivity
Laboratory fluidized bed analysis
Pore radius distribution
Butane working capacity
H₂O₂ test
Further analyses (see analysis request)

APPLICATION TECHNOLOGY PACKAGE

Basic

Standard

Premium

Adsorber dimensioning	✓	✓	✓
Service life estimation	✓	✓	✓
Regular team meetings	x	✓	✓
Evaluation of interim results	x	✓	✓
Laboratory services	x	x	✓



TECHNICALLY FLAWLESS THANKS TO OUR APPLICATION TECHNOLOGY EXPERTS

Our application technology experts use their in-depth **technical knowledge** to support the design and implementation of your project.

For you, this means that you provide us with the basic data and our experts plan your adsorber project individually.

Our „application technology“ consulting services include **adsorber dimensioning**, **service life estimation**, regular team meetings, evaluation of interim results and laboratory services - depending on the module selected.

Everything is individually tailored to your requirements and leads to the best possible cleaning and adsorption performance.



PLUG & CLEAN SERVICE PACKAGES

Basic

Standard

Premium

Inspection log for activated carbon replacement

✓

✓

✓

Replacing consumables

x

✓

✓

Transport preparations

x

x

✓

On-site repairs

x

x

✓



MORE FOCUS ON YOUR PROJECTS THANKS TO OUR SERVICE PACKAGES

Do you need a mobile adsorber solution? Our experts and our **Plug & Clean service package** will be happy to assist you here too.

In the premium version, we offer the following services: Not only do we offer a **replacement service** for your old carbons, we also provide you with an **inspection log** for each replacement to ensure ongoing traceability.

We repair the systems on site and make all the necessary preparations for any upcoming **transportation** to ensure that everything runs smoothly.

All selected Plug & Clean service modules are proactively implemented by us in consultation with you, so that you have **less organizational effort** and **lower costs** because you get everything from a single source.





CarboTech Gruppe

Elisenstraße 119 | 45139 Essen | Germany

T +49 201 2489-900 | info@carbotech.de

CarboTech.de