



“ADVANCED” TRAINING EXPERT’S REPORTS BICYCLE AND E-BIKE

» How to professionally and appropriately examine and properly assess claims relating to e-bikes, e-gravel, e-MTBs and carbon bicycles

GDFS Gesellschaft der
Fahrrad-Sachverständigen

zedler-Group
Technology and Passion for Bicycles



BICYCLE EXPERTS – NEEDED MORE THAN EVER

For many reasons, bicycles and e-bikes are meanwhile used much more than they were a few years ago. Market surveys have shown that the distance in kilometres covered annually with e-bikes is around four times as big as the distance in kilometres covered with bicycles without motor assistance.

Moreover, sales figures and original prices have risen significantly in recent years, not only due to the influence of the pandemic.

Today, a ready-to-ride high-end road racing bike weighing no more than 6 kg or an e-MTB made of carbon can cost up to € 15,000.

As a result, both the sheer number of claims and the amounts of loss have risen significantly. Another fact is that higher bicycle prices promote the endeavour to settle defects of the most different origins as accident-related defects with the insurers.

As a consequence a high level of expertise in preparing bicycle reports, whether electrified or not, is more essential than ever.

SPECIAL FEATURES OF THE BICYCLE AND E-BIKE MARKET

Annual model changes, individually assembled or even completely customized bicycles and constant technical innovations surpassing the predecessor solutions create considerable and also highly volatile market influences. With these enormous dynamics experts are facing major challenges with every other expert's report.

THE TOOLSET

The "Advanced" training provides the toolset that is necessary to also make complex loss assessments of bicycles with carbon components and e-bikes.

In the field of e-bikes, the participants will have gained e.g. an overview of relevant systems on the market and the diagnostic options of the individual components from different manufacturers, after the training.

The topic area "carbon" includes basics, such as material properties and various testing possibilities, as well as the assessment from the technical point of view and from that of the expert.

Questions as to the plausibility, i.e. the causality of damage ascertained, will be discussed by using real examples from expert practice. This is to impart the knowledge on different mechanisms of loss with bicycles in order to properly assess a claim.



THE TARGET GROUPS AND FORMS OF THE "ADVANCED" TRAINING

As the participants' experiences differs, the "Basic" training addresses to three different groups. On the basis of the basic knowledge provided, this "Advanced" training can be performed in two variants.

For motor vehicle experts, field representatives of insurers and participants from the cycle industry

You have profound knowledge in preparing expert's reports and are increasingly commissioned with the loss assessment of high-value bicycles and e-bikes.

Then this is the right course for you to extend your knowledge on how to reliably examine bicycles, e-bikes, e-MTBs etc.

- » Precondition: You have already attended a basic training with us or a comparable, serious provider on the preparation of bicycle reports. Furthermore, you have already prepared several bicycle reports.
- » This training course is held as a two-day face-to-face event at our headquarters in Ludwigsburg (greater Stuttgart area).
- » Duration of theory and practice all in all 13.5 hours.





For employees of insurers

You are more and more commissioned with the settlement of high-value bicycle and e-bike losses?

You want to minimize existing uncertainties about the examination of expert's reports, old/previous damage and in view of plausibility/causality?

Then this is the right course for you!

You will be provided with the toolset to verify cost estimates submitted and to check expert's reports relating to high-value bicycles for "viability".

» Precondition: You have already attended a basic training with us or a comparable, serious provider on the verification of expert's reports or bicycle-related cost estimates. Furthermore, you have already handled several bicycle-related claims.

» This one-day training course is offered by us either at our headquarters in Ludwigsburg (greater Stuttgart area) or directly at your premises.

» Duration of the training all in all up to 7.0 hours (varying according to the desired scope etc.).

Of course, field representatives charged with the settlement of claims are also invited to attend the still more intensive two-day face-to-face event with a significantly bigger practical part at our company headquarters in Ludwigsburg (greater Stuttgart area).



EXTRACT OF THE "ADVANCED" TRAINING TOPICS



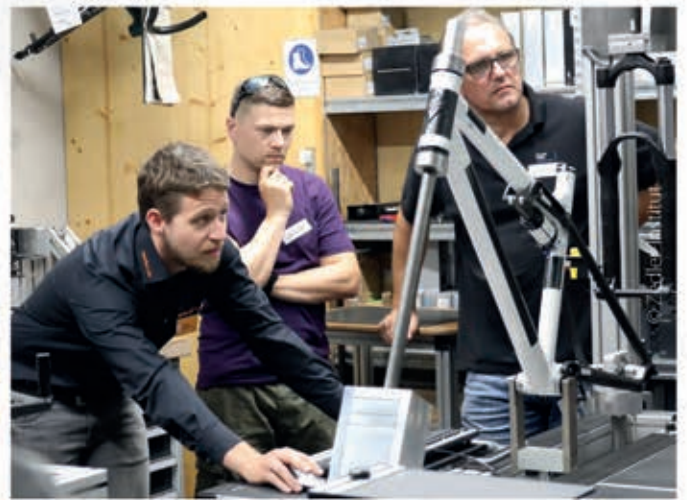
Market update 2024/2025

- » Due to the constantly changing market situation since the beginning of the pandemic:
Brief summary of the current situation and effects on the assessment



E-bike technology

- » different systems of drive units
- » technical possibilities of testing
- » digital possibilities of testing
- » repair options
- » frequently occurring defects



In case you are interested in our training, do not hesitate to contact us by e-mail: info@gdfs.bike



Carbon in detail

- » structure of carbon components
- » handling and mounting carbon components
- » possibilities of testing carbon
- » possibilities of repairing carbon
- » frequent causes of loss
- » distinction between old / previous damage and wear of more recent damage ("accident damage")
- » live demonstration carbon test (only in the case of face-to-face events)
- » live demonstration carbon crash test (only in the case of face-to-face events)



GDFS – GESELLSCHAFT DER FAHRRAD-SACHVERSTÄNDIGEN MBH

- » speakers have altogether more than 50 years of experience as pure bicycle and e-bike experts – from far more than 25,000 expert's reports and test reports
- » active for courts, insurers, manufacturers, lawyers and private individuals in Germany and abroad (e.g. USA, GB, Israel)
- » manufacturers documentations archive: the largest one all over Europe, probably even the largest one of the cycle / e-bike industry worldwide
- » speakers have extensive trade and workshop experience
- » speakers ride as private individuals and as test riders for special interest magazines or industrial customers tens of thousands miles by bike / e-bike per year

OUR COMMITMENT TO THE BICYCLE

 BdFS Bundesverband der Fahrrad-Sachverständigen e.V.	BdFS – Bundesverband der Fahrrad-Sachverständigen e.V. (German association of bicycle experts), founding member and chairman	 IHK Region Stuttgart	Chamber of Commerce and Industry CCI region Stuttgart , founding member of board of examiners "Bicycle mechanic"
 ZUKUNFT FAHRRAD	Zukunft Fahrrad e.V. , founding member and deputy chairman	 Stiftung Warentest	Stiftung Warentest (German foundation for comparative product testing), advisory committee
 DIN	DIN – Deutsches Institut für Normung e. V. (German Institute for Standardisation), two employees cooperating in the boards	 DVR Deutscher Verkehrssicherheitsrat	German Road Safety Council (DVR): Working group "Bicycle and speed pedelec safety"

OUR COMPANY HISTORY – COMPETENCE IN BICYCLE KNOWLEDGE (EXTRACT)

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| <p>1993 Foundation of Ingenieur- und Sachverständigenbüro für Fahrradtechnik in Ludwigsburg by graduate engineer Dirk Zedler</p> <p>1994 Public appointment and swearing in of Dirk Zedler as expert witness for bicycles at the CCI region Stuttgart</p> <p>1995/96 First participation in the German DIN committee</p> <p>1998 Dirk Zedler becomes first chairman of Bundesverbandes der Fahrrad-Sachverständigen e.V. (German association of bicycle experts)</p> <p>2004 From that year on training company for bicycle mechanics</p> <p>2007 Founding member of CCI board of examiners</p> <p>2009 From that year on lectures at the German Association for Materials Research and Testing (DVM e.V.), workshop bicycle safety</p> <p>2010 Foundation Zedler-Institut für Fahrradtechnik und -Sicherheit GmbH (testing services, technical documentation)</p> <p>2012 Lecture at GDV e.V., symposium on liability: "Damage to bicycles – Developments and verification possibilities"</p> | <p>2013 From that year on advisory committee at Stiftung Warentest (German foundation for comparative product testing)</p> <p>2014 In addition, public appointment and swearing in of Dirk Zedler as expert witness for electric bicycles</p> <p>2014 Training company for two-wheeler mechatronic technicians, specialising in bicycles</p> <p>2015 Cooperation in the board for standardised guidelines on the replacement of components on e-bikes (together with the umbrella organization for German industry guilds BIV, Velotech and the German bicycle associations VSF and ZIV)</p> <p>2016 Foundation of GDFS – Gesellschaft der Fahrrad-Sachverständigen mbH</p> <p>2019 Zedler-Institut is founding member and Dirk Zedler deputy chairman of the German association "Zukunft Fahrrad e.V." (bicycle future)</p> <p>2023 Accreditation of the test laboratory in accordance with DIN EN ISO 17025 by the national accreditation body of the Federal Republic of Germany DAKKS.</p> <p>2024 Jury member Cyclingworld Award (Bicycle fair Cyclingworld Europe, Düsseldorf)</p> <p>2024 Jury member Eurobike Award (Leading international trade fair of the bicycle industry, Frankfurt)</p> |
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Three exemplary publications from
special-interest magazines of
GDFS founder and speaker graduate
engineer Dirk Zedler.

GDFS Gesellschaft der
Fahrrad-Sachverständigen

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