

2017/2018 Test details and booking form



**Riding tests in Tanna:
8th to 22nd September 2017.**

**Ergonomics Test in collaboration with the ANWB,
Wassenaar, Netherlands:
from 3rd October 2017.**

**Offroad pedelecs: MTB trail riding test with Marco
Hösel, October 2017.**

Publication from November 2017 to January 2019.

**High reach in five languages: German, English,
Chinese, Dutch and Norwegian.**

Publication is planned in the following media:



Print run: 200,000 copies

Frequency: 5x per year

Language: German

Distribution in: DE, A, CH, BE, LU

Also planned is additional re-use of the results in other media owned by the Axel Springer publishing house. Selection of products featured will be by the editorial judgement of the BIKE BILD editors.



ANWB

The ANWB, with **4.4 million members**, is the Netherlands' largest consumer organization. The ANWB is our partner for the Tests and it will publish a selection of the test reports both on its website (www.anwb.nl) and also in selected print media. Translation of the test reports into Dutch is carried out by the ANWB.



Norsk elbilforening

Translation of the results into Norwegian, and publication on the website of this Norwegian electromobility association with over 50,000 members (www.elbil.no). This only applies for products which are offered for sale in Norway.



Special-E:

Publication of results, grouped by themes, in the Special-E Magazine, with a print run of **35,000 copies** and online at (www.special-e.de). Frequency: Twice a year. Language: German. Distribution: Exposure via electromobility dealers (car, motorbike and cycle dealers).



ExtraEnergy.org Yearbook

Print run: 10,000 paper copies, plus ca. 60,000 online views / downloads

Frequency: annual

Languages: German/Chinese/English

Distribution: At trade and public exhibitions worldwide, as a download and online magazine at ExtraEnergy.org and via the ExtraEnergy.org Newsletter.



EUROBIKE SHOW DAILY

SPECIAL EDITION for drive system manufacturers: Article on the drive system with picture of the motor in the EUROBIKE SHOW DAILY Magazine 2017.

Note: only applies for products which are booked in by the 25th July 2017. Images and additional information can only be considered if they are sent to info@extraenergy.org and arrive by the 25th July 2017.

Additional collaborations and publication channels are under development, and announcements will be made in due course.

ExtraEnergy.org reserves the right to publicise the results in any desired language and media. This reflects the constitutional objectives of the ExtraEnergy e.V. not for profit association: "To support human-electric mobility by all appropriate means, for example through impartial testing, and publicising these tests."

Booking form: ExtraEnergy Test 2017/2018

Send by fax to: +49-36646-270 95

Or scan and send by email to: info@ExtraEnergy.org

Or post to: ExtraEnergy Services GmbH & Co. KG, Koskauer Str. 100, 07922 Tanna, GERMANY

Company name: _____

Contact person for booking and administration: _____

Phone: _____

Email: _____

Address: _____

Postcode: _____ City: _____ Country: _____

If you are in the EU but not in Germany, then we need your European VAT ID number: _____

Please tick your selected options:

Participation with new pedelec(s)*

Number of pedelecs: ____ Name(s) of Pedelec(s) _____

For delivery by the 3rd September 2017: 3700 Euro. For deliveries from 4th September the price per vehicle rises by 400 Euro. Bulk order discounts for companies sending multiple bikes to test: From 3 bikes - 20%, from 6 bikes - 25% and from 10 bikes - 30%, on the total invoice amount (including pedelecs for re-publication).

Special terms apply for independent start-ups and small manufacturers: for delivery by 3rd September 2017: 2700 Euro (applies for start-up less than three years since their foundation, and for small companies with up to five employees).

***Please fill out the data collection form at this link: <http://tinyurl.com/ydx43tmo>**

Participation via re-publication of pedelec(s)* previously tested

Number of pedelecs: ____ Name(s) of Pedelec(s) _____

Repeat publication at 950 Euro, for booking by 3rd September 2017. This option is available for pedelecs which have already been tested in a previous test, and which are still available unchanged for 2018. The measured ratings will be recalculated in relation to the latest models tested, and this may result in changes to the test results.

***Please fill out the data collection form at this link: <http://tinyurl.com/ydx43tmo>**

Participation with pedelec prototype(s)* or component demonstration bike(s)*

Number of pedelecs: ____ Name(s) of Pedelec(s) _____

For this option, the test results will only be published, in article format, on your request, but they will not be published in test report format with a comparative rating. If you prefer no publication at all for your prototypes, then you as manufacturer must conceal all recognisable parts.

Prices for the test sessions in September 2017 are the same as for production bikes. For tests at other times: by arrangement, fees will be calculated per day of testing at 2900 Euro/day.

Additional work carried out will be calculated at 150 Euro/hour.

***Please fill out the data collection form at this link: <http://tinyurl.com/ydx43tmo>**

Free of charge bonus option: BIKE BILD Pedelec Test:

We are interested in publication of the results for our pedelecs in an edition of BIKE BILD. The editors of BIKE BILD have the final decision on the selection of bikes. Feature highlights for BIKE BILD include Fat MTBs, three groups of Lifestyle Pedelecs (Urban Style Pedelecs - with clear design value and low overall weight, Cruisers, Retro Style Pedelecs), e-MTBs and Youth Pedelecs.

Free of charge bonus option: BIKE BILD Market Overview of Drive Systems:

Planned for the November 2017 edition of BIKE BILD

Free of charge bonus option: BIKE BILD Market Overview of digital functionality, IoT and apps:

This aims to demonstrate the added value for users. Feature themes are e.g. remote operation of cycle locks and other anti-theft systems. Publication in the Spring 2018 edition of BIKE BILD.

Free of charge bonus option: ANWB

We are interested in publication of the results for our pedelecs **in ANWB test publications on these themes:** cargo pedelecs and compact/folding pedelecs. This applies only for products which are offered for sale in the Netherlands. The final editorial authority for selection for publication in ANWB media is the ANWB.

Free of charge bonus option: Norsk elbilforening:

We are interested in publication of the results for our pedelecs in the online media of Norsk elbilforening (applies only for products which are offered for sale in Norway. The final editorial authority for selection for publication in Norsk elbilforening media is Norsk elbilforening.

Extra cost option: test track participation at EUROBIKE 2017

30th August to 2nd September 2017, Friedrichshafen, Germany, on the ExtraEnergy Check-In Stand.

Number of pedelecs: ____ at 750 Euro each.

For non-exhibitors at EUROBIKE, irrespective of the number of bikes booked, a one-off co-exhibition fee of 200 Euro will apply, and also a 199 Euro media entry fee for co-exhibitors. Delivery of bike must be made to Tanna by the 23rd August 2017, or alternatively on the 28th or 29th August 2017, directly to the ExtraEnergy stand, Messe Friedrichshafen (Foyer OST, 1 OG)

Extra cost option: test track participation at the VDI conference

26th and 27th September 2017, Baden-Baden, Germany.

Number of pedelecs: ____ at 450 Euro each.

Extra cost option: City of Stuttgart Elektromobily Day (on the Market Square)/EVS30 (Messe Stuttgart), 8th to 11th October 2017, Stuttgart, Germany.

Number of pedelecs: ____ at 450 Euro each.

Extra cost option: test track participation at Taichung Bike Week

17th to 20th October 2017, Taichung, Taiwan.

Number of pedelecs: ____ at 450 Euro each plus 650 Euro per bike charge for sea freight Tanna (Europe) to Taichung (Taiwan) to Tanna (Europe).

We need a second bike and charger for this Taichung Bike Week option (because one will be on its sea freight voyage during the Test). Only bookings which are completed before the 31st July 2017 can be considered for this. The pedelecs must be delivered to ExtraEnergy in Tanna by 10th August 2017 at the latest. For bikes which are booked or delivered later than this, there is still an option to participate if you arrange the transport yourself. Please contact us with any queries: Carolin.Peffer@ExtraEnergy.org

For participants in the **LEV Components Special Exhibition** on the FULL ENERGY package, all extra cost options are free of charge. For more details, and to book, please see: **Link**

For all pedelecs, please fill out the data collection form at this **Link**

Date and location: _____

Company stamp and legally binding signature: _____

Please print the signature name clearly, if it differs from the name given as contact for booking and administration:___

Terms and Conditions

Please note all of the details given in this form, the terms and conditions of participation and the contract terms and conditions (pages 5 to 10). These are hereby brought to your attention and are hereby legally binding. Any entity making a booking trading under another name commits themselves as fully and directly liable for liabilities to ExtraEnergy Services GmbH & Co. KG with regard to the relevant Tests. The official and legally authoritative version of these documents is the original German text, which is available on request. Should there be any discrepancies between the German and English versions, the German version is definitive.

ExtraEnergy Test 2017/2018 Contract Terms and Conditions:

Definitions:

ExtraEnergy Services GmbH & Co. KG, based at 07922 Tanna, Koskauer Str. 100, Germany, is henceforth referred to as the ORGANIZER. ExtraEnergy Services GmbH & Co. KG conducts the Test on behalf of the consumer protection non-profit association ExtraEnergy e.V., Koskauer Str 100, 07922 Tanna, Germany. This activity is conducted in accordance with the fulfilment of the constitutional objectives of ExtraEnergy e.V., which are available to view in their latest updated form on the www.ExtraEnergy.org website. All manufacturers, manufacturers' representatives, importers and dealers of pedelecs, e-bikes, e-scooters, self-balancing vehicles and other light electric vehicles who are participating in the test will henceforth be referred to as MANUFACTURERS.

§ 1 Booking and participation

The MANUFACTURER makes a binding declaration of their participation by returning the booking form, filled out and signed with a legally valid signature. The test and exhibition contract becomes effective for the ORGANIZER as soon as payment as specified in Section 3 below is received, and if the ORGANIZER has not declined the MANUFACTURER's participation within one week.

§ 2 Contract terms

The *ExtraEnergy Test 2017/2018 Description of Services* and the *ExtraEnergy Test Information 2017/2018 (and supplementary document in English)*, which are attached with the booking information for the ExtraEnergy Test, are an intrinsic part of the test and exhibition contract. The ORGANIZER is responsible for the conception, organisation and documentation of the test, and of the exhibitions, Test IT Shows and test tracks.

A test vehicle is to be made available to the ORGANIZER by the MANUFACTURER free of charge. Transport costs are to be borne by the MANUFACTURER. Any replacement parts which may be needed for repairs will be made available to the ORGANIZER free of charge by the MANUFACTURER, or if the vehicle cannot be repaired, an identical replacement.

The test vehicle will remain at ExtraEnergy Services GmbH & Co. KG for at least 12 months after the first publication of the test results, and if publication is to be repeated this time period re-starts with the republication date. If the vehicle is rated as one of the three best vehicles in a product group, or is of particular historic significance (for example in its technology or design) the vehicle will go on permanent loan in the care of the ExtraEnergy Association. ExtraEnergy e.V. is authorized to use the vehicle for test rides, testing, and exhibitions in compliance with the constitution of the Association.

The ORGANIZER will send the test results, which inform the test verdicts, to the MANUFACTURER to view before publication, in the form of a preview.

Should defects which might represent a significant danger to of personal injury or death to future customers become apparent during the testing, the MANUFACTURER will be urgently informed (for example brake failure, or parts which lock up in use such as pedals, steering, wheels...). The MANUFACTURER has the opportunity to investigate the cause of this potential danger on location in Tanna, or at the laboratory of our partner velotech.de and, at their own cost, to have the tests that led to the discovery of the safety-relevant defect repeated until the cause is determined, and ideally a technical change has been identified which removes the danger and convincingly prevents it.

Such improvements, if they are completed before the 15th October 2017, will not be referred to as current defects in ExtraEnergy's own publications, so long as the product was not yet on sale at that date, and the MANUFACTURER assures the ORGANIZER in writing that no vehicles with the detected safety risk will go on sale.

The ORGANIZER reserves the right to verify this at a later date by making spot checks on the open market. If the MANUFACTURER puts products on sale with the identified safety-relevant defects, despite making a written assurance to the ORGANIZER that they would not do so, the ORGANIZER is authorised to communicate this via all appropriate media, to warn consumers of the potential danger to life and limb. Another appropriate method here may be to inform the statutory authorities.

If the MANUFACTURER has selected the extra options for publication via external media publishers during the booking process, then in addition to these ExtraEnergy contract terms and conditions, the Compliance Regulations of the relevant publisher(s) also apply. These may differ in particular in how safety-relevant defects discovered during the test are handled. In this case, as occurred already in the August 2016 edition of BIKE BILD, in their publication the results of the initial test were published. If these were negative, then these negative results will also be taken into account for the published result. If

the MANUFACTURER has managed to demonstrate an appropriate solution to the problem in follow-up testing by the deadline of the 15th October 2017, and provided written assurance that this will be implemented in series production, then mention will be made of this solution. For vehicles which are already on sale, and the ORGANIZER has detected a safety-relevant defect, the MANUFACTURER must assure the ORGANIZER in writing that they will urgently implement corrective measures or a recall. Should the ORGANIZER receive no appropriate assurance before the editorial deadline of the 15th November 2017, the ORGANIZER reserves the right to immediately make the safety-relevant problems public.

The MANUFACTURER may make changes to their contact details and prices until the editorial deadline on the 15th July 2017, and these will be implemented by the ORGANIZER. Change requests, relating to the initial information supplied by the manufacturer by the 20th October 2017, are to be sent in writing by email to info@extraenergy.org or by fax to ++49 36646 27095 by midnight (in Germany) on the 15th November 2017.

After the test results have been sent in the form of a manufacturer preview, the MANUFACTURER will have for two weeks the option to decide against publication of the test results. If a decision is made by the MANUFACTURER against publication the ORGANIZER will comply with this decision, if in the case of a pre-production version the product will not be put into production in the tested version, or if in the case of a product already available on sale, the MANUFACTURER assures the ORGANIZER that this project will no longer (or not at all, for the publication period) be offered in this form (this does not apply for the BIKE BILD option, and for these the ORGANIZER reserves the right to publish the results in any case).

If doubts arise about the test results which are credible to the ORGANIZER, the test or parts of it will be repeated to clarify any such doubts. Otherwise, there is the option of repeating the test with the MANUFACTURER, or their nominated representative, present; in this case the MANUFACTURER will bear the cost of the repeat test. If failures occur on the test vehicle, the MANUFACTURER is obliged to repair these if present at the Test, or to send replacement parts as a matter of urgency, and to cover any repair costs which may be incurred.

§ 3 Prices

All prices for the services of ExtraEnergy Services GmbH & Co. KG are net prices (excluding VAT) and are given in Euro (EUR). When booked in for testing, the vehicle(s) of the MANUFACTURER will undergo all tests, presupposing timely delivery of the vehicle/vehicles. Should the MANUFACTURER request additional specific ride testing, for example riding in a particular mode, or with an additional battery variant, this should be notified by the MANUFACTURER with an additional written note accompanying the booking. The ORGANIZER will provide the MANUFACTURER with an individual quotation for this, if the measurements involved extra work.

§ 4 Invoice and payment terms

Following receipt of the booking the MANUFACTURER will receive an invoice for the total cost by return. This invoice is also confirmation that the booking has been received. The invoice will be sent as a PDF to the email address given on the booking form. Should an invoice by fax or post be required, please note this as an additional written note accompanying the booking. This invoice is due for immediate payment, and at the latest within the payment period specified. The payment terms specified on the form apply. Otherwise, the ORGANIZER reserves the right to reassign the relevant test space.

§ 5 Contract withdrawal, claims for damages

The ORGANIZER may withdraw from the Test or component exhibitions in the following circumstances:

- a) If there are not enough MANUFACTURERS taking part in the test, or the exhibition.
- b) If event venues withdraw their existing agreements for the various special exhibitions.
- c) If media partners withdraw their publication agreements, or make editorial changes which lead to a delay in publication, or to cancellation of publication.

In these cases any payments made by the MANUFACTURER for non-fulfilled services will be refunded, or, if partially fulfilled, refunded in proportion. Further consequential claims are excluded. If the MANUFACTURER does not complete the payment due as agreed in the contract, the ORGANIZER is entitled to withdraw from the contract immediately without further notice. In this case the MANUFACTURER has no claim for the refund of any previously made payment which may have occurred. Please note all of the details given in the ExtraEnergy Test 2017/2018 description of services. Because the ORGANIZER carries out the test and the special exhibition exclusively for ideological reasons, all claims for damages by the MANUFACTURER against the ORGANIZER for any procedural deficiencies during the test, or the exhibition, or for damages to exhibited articles, are excluded. Not excluded are claims of damages for intentional or grossly negligent actions.

The MANUFACTURER may withdraw from the contract with the agreement of the ORGANIZER. The ORGANIZER will issue this agreement if they can find an appropriate replacement participant.

§ 6 Miscellaneous

All alterations or additions to this contract must be in written form to have legal effect. German law applies, and the German court of law where the ORGANIZER has his registered address has jurisdiction. The place of performance for all actions to do with the test is the place where the test was conducted. For all other actions the place of performance is the registered address of the ORGANIZER. For all legal proceedings, the original contract in German (available on request) shall be the definitive version.

ExtraEnergy Test Description of Services 2017/2018

The test process in detail

Riding tests

The test will normally be carried out in maximum assistance mode and with a single battery configuration/battery technology.

The riding takes place on the test circuit which we have specially designed and selected. To test the vehicles under varied, everyday conditions, the test circuit is divided into several sections (Tour, Hills, City) which place differing demands on vehicle and rider. During the instrumented test rides, which are carried out with at least six test riders, all relevant data for the evaluation of the drive system is logged using specially developed measurement technology.

Ride test sections:

- Tour: moderate climbs and varying surfaces: rural roads, gravel tracks, forest tracks
- Flat: for determining starting and ride performance of test bikes on the flat
- Hills: ca. 1 km long with a moderate gradient averaging 5% (3% to 9%).
- City: stop and go riding with stopping points.
- Hill start: starting off on a hill with an average gradient of 12% (8-15%).
- Motor off: to determine the ride quality of the test bike without motor assistance.

Offroad Test (only carried out for Sport Offroad pedelecs). This additional test will be ridden on a separate test circuit by experienced mountain bikers. Test rides will take place on a cross-country circuit with several different sections:

- Cross-country section with various ups and downs, totalling 7 km
- The route has a variety of surfaces including gravel, woods and forest tracks
- Multiple aspects will be evaluated including for example handling, usability, gear-shifting, suspension.
- The test results will influence the rankings in the Sport Offroad product group.

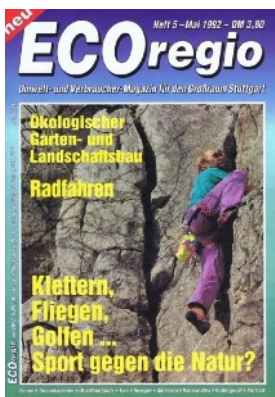
Ergonomics test: For the ergonomics test, interested volunteers will test the bike at various stations for different everyday usage situations, without access to the user manual to assist them. Ergonomics Test – test stations:

- Test station 1: Battery and charger – securing and charging
- Test station 2: Car carrier rack – travel
- Test station 3: Steps – home and storage
- Test station 4: Loading bay – obstacles and transporting
- Test station 5: Adjustment – before riding
- Test station 6: Test ride

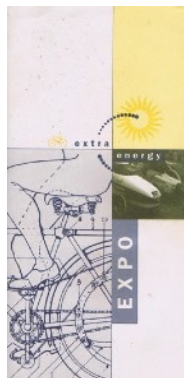
Publication of the results

The test results for all of the vehicles under test will be published across various media. We will compile the results for each vehicle for you in the form of a 'product report'. Publication of the test results and corresponding press work are included in the Test. The ExtraEnergy service includes:

- Compilation and publication of your product reports in German, English and Chinese via ExtraEnergy.org, and additionally communication of the test data to the editorial teams of other publications.
- The product report includes product and close-up photos, a detailed text product description, all measurement results (numerical and graphical) and your manufacturer details on model variants, prices and contact information.
- Publication of the test results in the ExtraEnergy Magazine and in additional media, online and in print, plus special editions for trade shows.
- Publication of the product report on www.extraenergy.org as a free download version.
- Free of charge entries in the ExtraEnergy online dealer directory for your dealers.
- Reportage about and evaluation of the Test at www.ExtraEnergy.org and in the ExtraEnergy newsletter.
- Long term exhibition of your products (if they are among the best three bikes in a product category) at the LEV Education Centre in Tanna, with the possibility for groups of visitors to test ride them on open days by prior arrangement.



Hannes Neupert created 1992 the first german language market overview electric bicycles. She was published in the ECOregio Magazine May 1992



Die erste in großer Auflage gedruckte ExtraEnergy eigene Testpublikation wurde 1995 zur Intercycle Köln veröffentlicht.



The ExtraEnergy Testresults have been published in the magazine „aktivRadfahren“ since 1997. On initiative of Hannes Neupert the first electric bike special was published in 1999. Since 2008 it is published regularly. It was a coproduction of Hannes Neupert and Daniel Fikuart.

ExtraEnergy Test Information 2017/2018

ExtraEnergy.org has been testing pedelecs and e-bikes as an independent organisation since 1992, a unique track record in the pedelec and e-bike industry. The prestigious ExtraEnergy Test award logos are recognised certificates of test performance, marking out excellent products and providing recommendations for end users. The ExtraEnergy Test takes place twice a year.

Riding test - Ergonomics test - Offroad Test

The ExtraEnergy Test currently consists of two rigorous test phases, each carried out under real world conditions. In the additional offroad test, sport offroad pedelecs are tested by experienced mountain bikers on a set single-track circuit. Riding tests in Tanna are conducted using unique, specially developed measurement equipment. Values for range, power assist levels, drive efficiency, average speed and many other parameters are determined. Then as many testers of both genders as possible test the everyday practicality and intuitive usability in the Ergonomics Test. The customer wish fulfilment factor is determined using the “Quality Function Deployment” methodology.

The results

The test results are published via a variety of media. ExtraEnergy.org publishes the results in Chinese, English and German languages on their website and in the ExtraEnergy Yearbook.

Test results / Test award logos / Test track

MANUFACTURERS participating in the test will receive the results in written form. If your vehicle has achieved a “Very Good” or “Test Winner” rating we will offer you the opportunity to present these vehicles at the Test IT Show and other ExtraEnergy test tracks. The Test IT Show travels around events and trade shows in Germany and Europe, and provides end users with the opportunity to test-ride your pedelecs and e-bikes.

Test award logos “Good”, “Very Good” and “Test Winner” are awarded in each product group. Test winner are also celebrated in public with a trophy at the awards ceremony.

Vehicles

MANUFACTURERS who wish to participate in the test must deliver their vehicles (in a medium frame size) by the 3rd September 2017 at the latest to the ExtraEnergy test centre in Tanna:

Test vehicle delivery address:

ExtraEnergy Services GmbH & Co. KG
Attn. Mr Uwe Keilhauer
Koskauer Str 100
07922 Tanna /GERMANY

To make delivery arrangements, please make contact in advance with Uwe Keilhauer on Tel. +49 171-5651937 or via uwe.keilhauer@extraenergy.org

Test vehicle supply details:

Test vehicles should be supplied in the same condition as they would be delivered to dealers or end users. If your product comes in different models, such as frame versions, frame sizes or specifications, as in for example 'Sport' and 'City' versions, you are warmly invited to submit these. Variations of one and the same product are counted for these purposes as one product.

For pedelecs which require registration, pedelecs must be supplied with a valid insurance ID numberplate.

Exclusion criteria

Because the Test can only be conducted in a narrow time frame, so that the whole field of bikes is tested under the same conditions, as ExtraEnergy Services GmbH & Co. KG we have defined clear criteria according to which the test may be ended prematurely. The following conditions will lead to premature termination and hence exclusion of the vehicle from the test:

- Late delivery of the test bike, in this case after the 12th September 2017.
- Failure of the bike during test riding, if the failure cannot be remedied within 24 hours by the MANUFACTURER or their service staff.
- Any failure which causes the loss of more than two days of testing.
- Insufficient battery capacity. Each vehicle must be able to complete the test circuit (ca. 15 km) at least once at full power assist setting. Should the vehicle be designed with swappable batteries, enough extra batteries must be supplied so that they can be carried by the test riders.
- Any attempt at fraud will lead to immediate expulsion. ExtraEnergy Services GmbH & Co. KG reserves the right to publish this as the reason for the withdrawal.
- If fewer than five test riders are able to complete the testing with the bike (because e.g. the frame is much too large, or too small, etc.)
- If the MANUFACTURER has not filled out the online questionnaire about the test vehicle via the link provided by the 20th September 2017.
- If for a pedelec 45, no valid insurance ID numberplate is provided with the vehicle.

After the test:

In case test results are questioned by the manufacturer or another actor in the market, test vehicles must remain at ExtraEnergy Test GmbH for 12 months after first publication of the test results. Only in this way can any test be repeated, if necessary with legal oversight, with the original test bike, to clarify any doubts or ambiguity.

CONTACT

Should you have any questions about the test, please do not hesitate to contact:

Test Director: Hannes Neupert
Tel.: +49 173 35 88 221 or +49 36646 32980
hannes.neupert@extraenergy.org

Test Technical Director: Uwe Keilhauer
Tel.: +49 171 5651 937 or +49 36646 3298
uwe.keilhauer@extraenergy.org

ExtraEnergy Test 2017/2018: Information

Supplementary to, and part of the information about the ExtraEnergy Test 2017/2018 is the document which you can download here: (only available in English). Document file size is 72 MB. A version with reduced image quality for quicker download is available here: (7.3 MB).



Introduction to ExtraEnergy Pedelec Test services 2017/2018

