



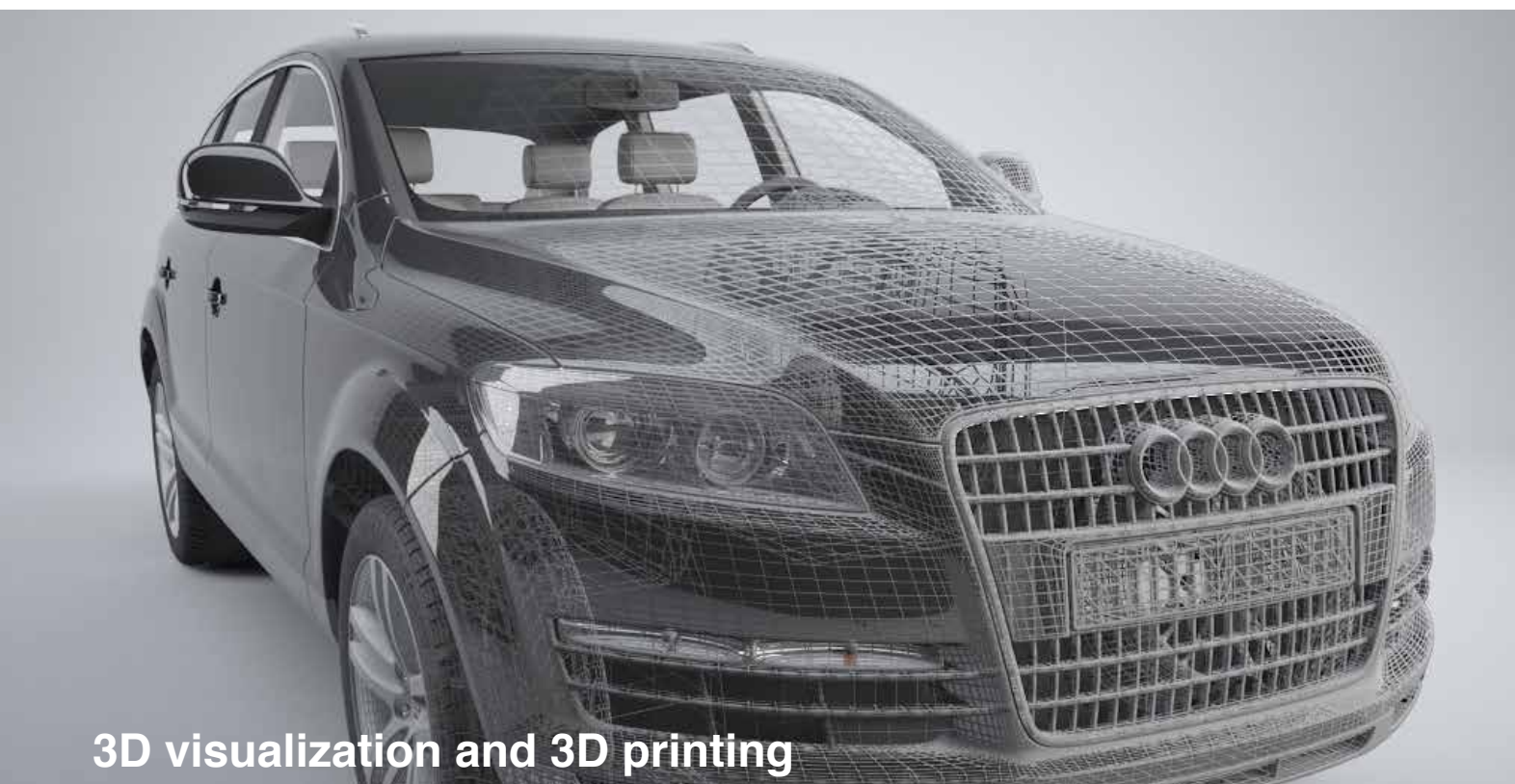
COEZBAY GMBH

Products & Services



Virtual Reality & Augmented Reality

Virtual Reality (VR) and Augmented Reality (AR) are the technologies of the future. We are happy to assist you in choosing the right solution and to help you with the implementation of an AR / VR project - whether it's about engineering, music, retail, healthcare, education or tactical applications. With AR / VR applications, your product is always in focus. No matter if you are presenting a life-size crane, a vehicle or an industrial machine: you get a solution that lets you present your product in a unique and interactive way, just by using a head-mounted display.



3D visualization and 3D printing

You have a drawing or a draft of your future product but not enough money to produce a prototype? We can create you a 3D-model of it. You will be able to see and show your future product or concept as a photorealistic image or present it plastically. It is way more easy to provide something never seen before to an investor or potential partner. And if this is not enough, we are also able to deliver a functional 3D printed model of your product as well.

Serious Gaming

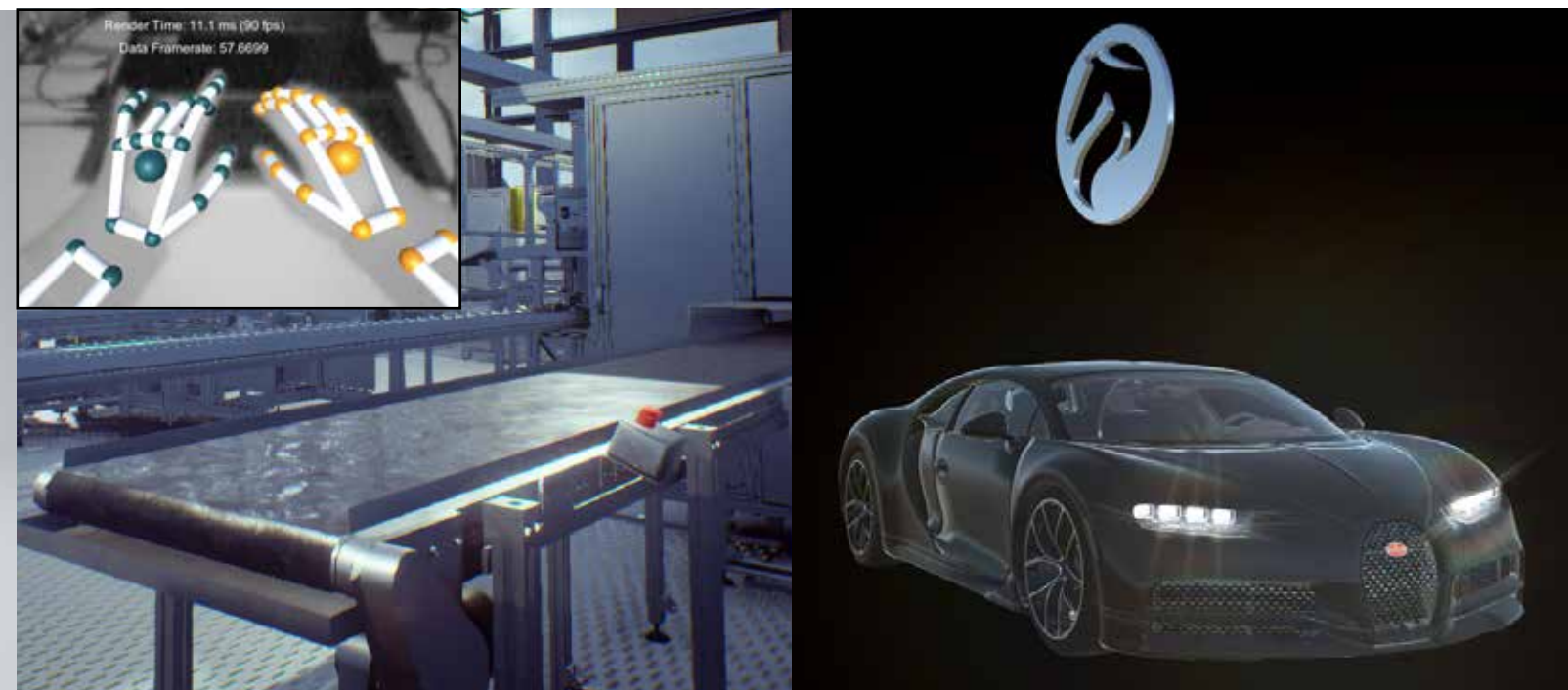
You own the CAD data of your product? Whether it is industrial machinery, vehicles or architectural models. We'll put your data in the right format and prepare it for the use in the latest game engines like the Unreal, Unity or Unigine. So you will also be able to use your models, presentations, simulations or case studies in real time anytime and anywhere.

Augmented Reality



Completely independent of when and where. The example above shows the integration of a freely configurable vehicle into a real environment through the use of a smartphone. An application like this falls under the area of augmented reality.

Virtual Reality



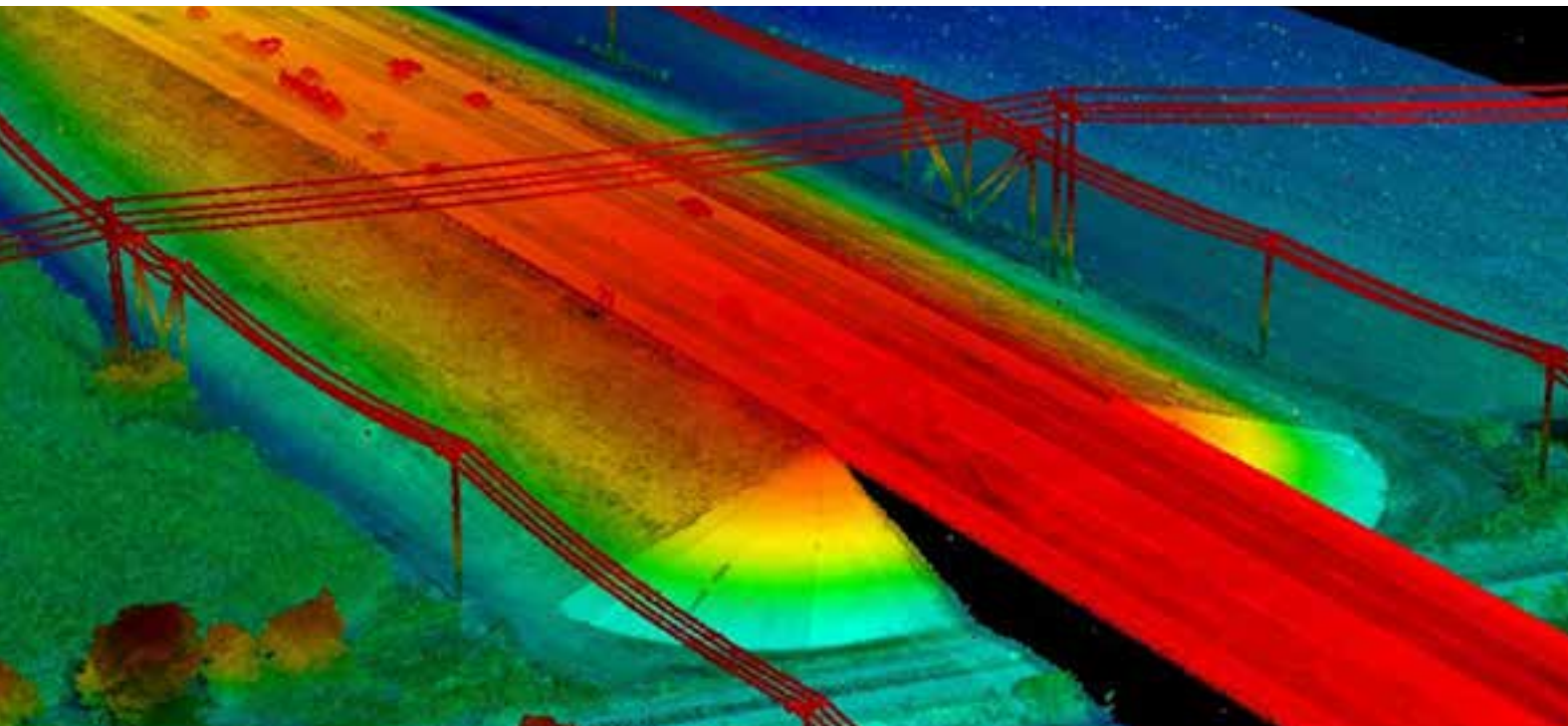
Benefit from the new possibilities and achieve the best possible results for larger relocation plans or for the optimization of your production processes. It is also possible to create configurators for a wide variety of products. This way you enable the user to adapt the product to his individual requirements and wishes to create added value for your company as well as for your customer through the individualisation of the already existing product range.

Surveying and photogrammetry

Photogrammetry is the science of making measurements from photographs, especially for recovering the exact positions of surface points. Depending on the accuracy requirements, we can use both photographic images and laser scans to generate the data.



Primarily we use photogrammetry mainly to create so-called orthophotos - specially straightened bird's eye images, used for example in geographic information systems. Meanwhile, the photogrammetry is increasingly used in the 3D Reconstruction and documentation of objects and facilities. For purposes of visualization, presentation, construction documentation and planning, 3D models of entire land, factory and construction sites are created. Areas of several square kilometers are not uncommon and can be scanned and visualized with extremely high precision if required.



Parallel to classical imaging, the use of special infrared cameras with multicopters is possible. The near-IR area is used primarily for recording and categorizing vegetation data. Thermographic aerial photography through the use of drones is also ideal for detecting damage to photovoltaic and industrial installations and detecting heat or cold leaks.

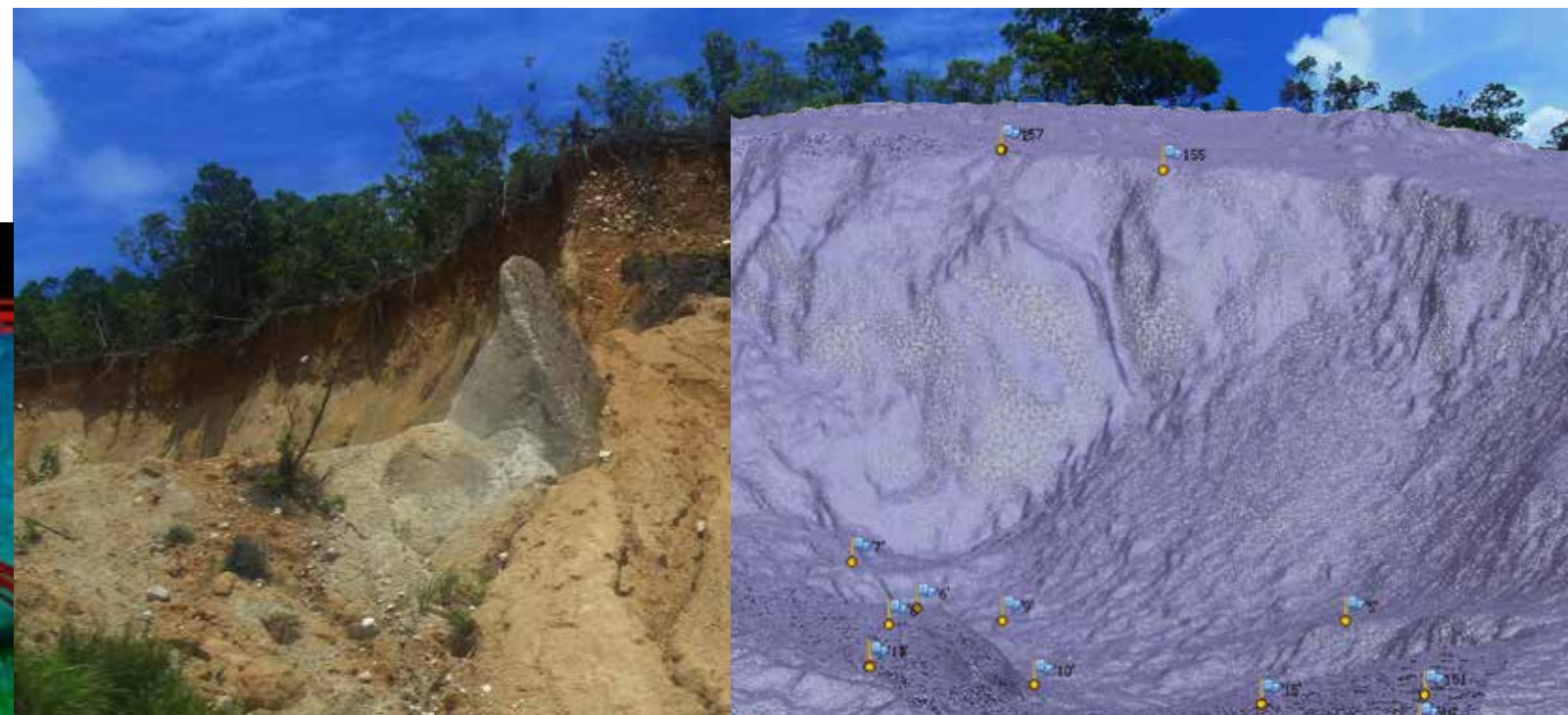
Laser Scanning (LIDAR)

LIDAR (also called LADAR) is a surveying method that measures distance to a target by illuminating it with pulsed laser light and measuring the reflected pulses with a sensor. Differences in laser return times and wavelengths can then be used to make digital 3-D representations of the target.



Multicopter equipped with a LIDAR scanner

Tachymetry



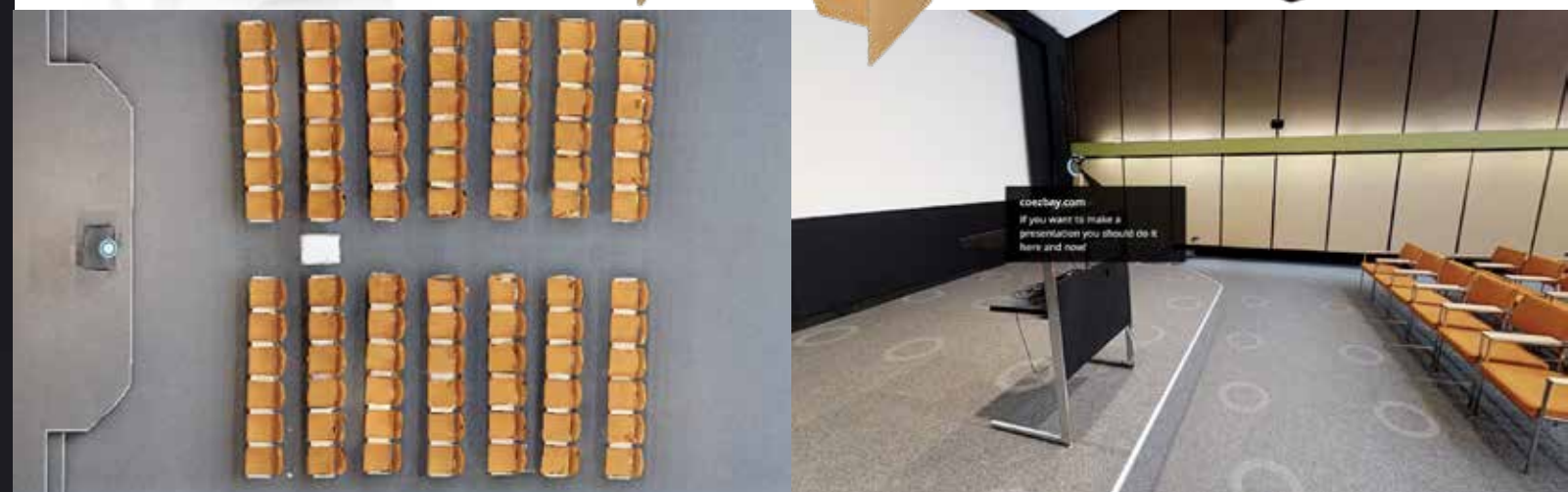
In this way, landslides could be photogrammetrically recorded as a zero measurement. If a slope is prone to slip, repeat measurements are taken at regular intervals as a preventative measure. At the same time, based on the tachymetry, several profiles are created along a slip zone and compared with photogrammetric data from previous measurements. Landslides are hard to prevent but can be predicted with such measurements and at not too great earth masses or slower movement be mitigated in their effect.



Virtual 360-degree Tours

As a service partner of Matterport, we can create you a 360-degree tour with a state-of-the-art 3D camera technology. The system combines RGB cameras with infrared depth sensors, which are used in conventional 3D scanings, to create a unique three-dimensional experience and insight of your premises in the highest quality.

The virtual tour is hosted in a cloud and can easily be integrated into your existing website and shared on any social network. Even on a smartphone or tablet the tour can be accessed very fast. by providing a link to the customer. For an even more intense experience the tour could be accessed with the Gear VR, with a Google Card Board or any conventional Head mounted Display.



Get a true-to-scale 3D model of your space that can immersively be explored on a virtual tour. Thanks to high-resolution 360-degree panoramic images, your property is captured realistically and the viewer can be invited directly to your area of attention just by providing a link to your website.

360-degree Videos

Videos are the best way for storytelling, to provide facts or to address emotions. We can capture your message and provide effective advertising to present your product or service from each and the best side!

360-degree-videos have more to offer than a regular panoramic view. In contrast to conventional videos, the viewer is actively able to direct his or her own view in any direction and to explore the surroundings completely free.

The COEZBAY GMBH has already successfully implemented their 360-degree projects and is ready to support you on every step of the creation of a unique modern presentation or tour video including the consulting to the conception as well as special computer-generated content.

We also offer support for the distribution of your innovative content optimally to address your target group. No difference between 360-degree music clips, virtual-reality movies, live streaming of events or image movies: There are no limits to our creativity!

Don't hesitate to contact us for your individual project!



Stereoscopic 360-degree VR

Whether in the cold of the Arctic or in the heat of the Sahara. We put your project or company perfectly in scene! Convince yourself of our expertise and set up an appointment today. It will be a pleasure for us to welcome you any time in one of our offices in Grunwald and Kranzberg in Munich. We will also be happy to assist you with a specific inquiry on-site in your company.



We can provide you an all time amazing quality in 360-degree movie making. In addition, we are offering trainings and workshops to introduce and work with the KanDao Obsidian R and S cameras as well.

Professional Aerial photography

In cooperation with our partners we are offering professional aerial photography and dynamic camera shots for film and television. With an experience of over 20 years in camera shootings, editing and post production, we are providing you the content in best quality on the platform of your choice. In addition, our ground and aerial content in 360-degree can also be integrated into interactive VR applications if needed. This way, you can provide a virtual tour of and about your company and companies future in VR.

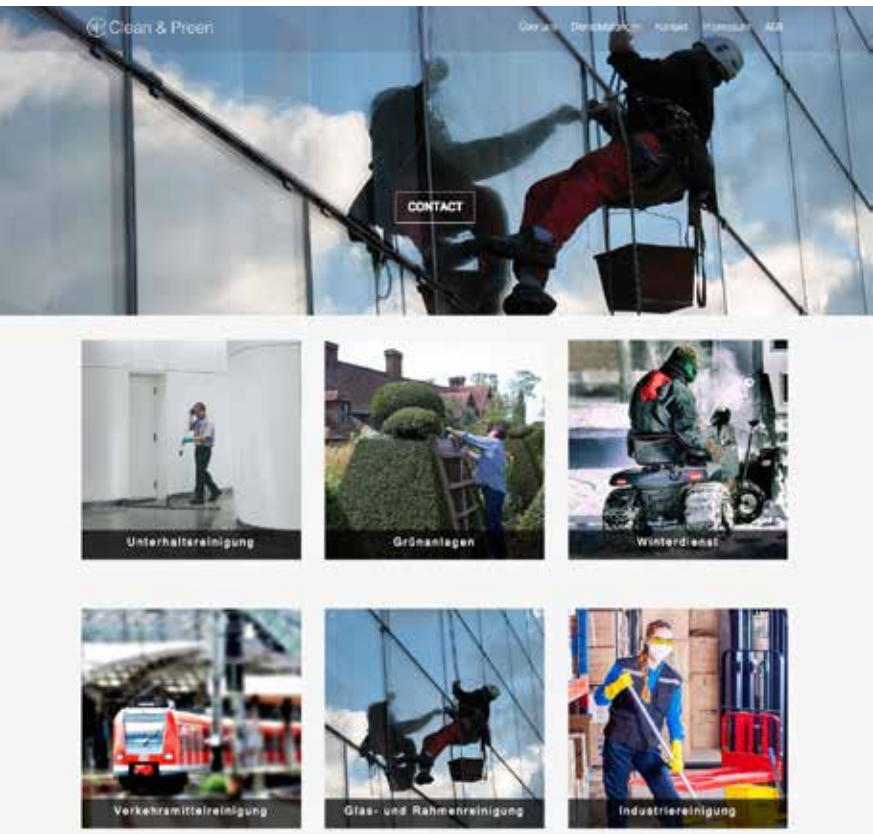


**Compatible with all popular
Head Mounted Displays**

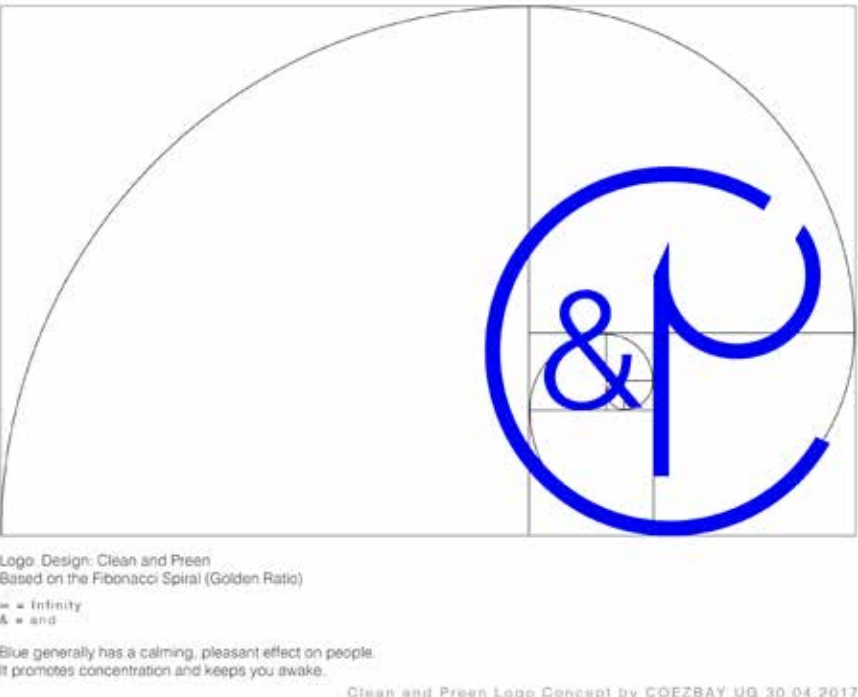


Corporate Design

You are starting a new company or would like to give your already existing company a new look? We are offering to create the entire corporate design for you. From the business card, the web-site to stationery and merchandising articles and much more: We offer you perfection down to the smallest detail.



Whether your company’s website, mobile application or the own app: the Internet offers more options today than ever before. With your website, you may attract attention with an enormous range. The advantage lies in the precise definition of the target group. Our specialists and partner companies are providing all the existing channels and a perfect content as well as visually harmonious appearance. We are implementing the current standards regarding the user experience, as well as the Google requirements for the best possible placement of search queries are taken into account. The size of your company does not matter. We guarantee that your message is delivered to the right clientele in the right way.



The company logo plays a significant role in the identity of a company. Both, outwardly for the customer and internally for the employees, the logo should represent the corporate philosophy. This creates trust and strengthens the sense of belonging. With proven methods and our creativity, we will be delighted to assist you in designing your complete corporate identity and design. We are convinced that we will bring real added value to your company.

We are available 24/7 via mail.

Please feel free to contact us anytime for questions, comments or suggestions.

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