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# LEWIS

## CLIENT WIN

### Huf to Save Time & Money with MVG's EMC Solution

*The Microwave Vision Group (MVG)'s Partnership with Amplifier Research ([AR](#)) has enabled automotive component company Huf North America to obtain an overall turnkey solution.*

Huf develops and produces mechanical and electrical locking systems, tire pressure monitoring systems and telematic systems for the automotive industry worldwide. Amongst its clients are renowned automobile manufacturers, such as Audi, BMW and Ferrari.

On a regular basis, Huf needs to identify Electro-Magnetic Compatibility (EMC) potential issues and to confirm that there are no issues with their end product: RI test ability and lower background noise for RE for instance.

*"Until 2016, we had been outsourcing our compliance tests but it was expensive and test scheduling took time. We wanted to reduce our product development time. To improve, we felt we needed to build our own facility at our Farmington Hills lab, where we could perform testing for radiated emissions and radiated immunity", explained Yipeng Tang, Hardware Engineer at Huf North America Automotive Parts Manufacturing, Corp.*

#### A customized anechoic chamber for in-house testing

MVG has helped Huf maximize the available space and budget to obtain the best possible solution. A customized semi-anechoic chamber was built and installed to allow EMC testing in-house and meet all the varied required standards. Then, Amplifier Research (AR) designed and integrated the EMC test system which will be used to perform the testing inside of the MVG chamber.

## The expected benefits of having an on-site test facility at Huf are:

- Time-saving, as it removes the need to schedule testing at a commercial testing facility.
- Cost-effective, as the test chamber will serve all global Huf divisions and will be available for use by the entire company.
- Improved confidentiality, as development tests will no longer involve third party test facilities.
- Rapid feedback, as it will be possible to test, check, modify and re-test with no constraint.
- Quick validation, as compliance can be checked and verified when needed.
- Full compliance will be ensured.

This is the first time in which MVG's partnership with Amplifier Research (AR) has enabled a US client to obtain a complete turnkey solution for an overall test system and anechoic chamber. The completion of this project is a good example of AR and MVG's strong relationship and ability to combine their product lines and knowledge to offer a one stop shop of quality, tailored, EMC solutions.

### Press contact:

To know more about the exact product specifications, request an interview with Huf and MVG, or if you require any high resolution images, product datasheet or indeed need anything else press-related, please contact us at [mvgfrance@teamlewis.com](mailto:mvgfrance@teamlewis.com)

### About Huf Hülsbeck & Fürst GmbH & Co

Huf Hülsbeck & Fürst develops and produces mechanical and electronic key systems, lock sets, steering locks, remote control systems, telematic and tire pressure monitoring systems for the automotive industry. Today, Huf has approx. 7,500 employees located in 15 countries worldwide. More than 500 designers and technicians working in the offices in Germany, in the USA, in Romania, India, Brazil and China are engaged in research and development. Huf was the first company to develop components for the new car access and immobilization systems "Passive Entry" and "Keyless Go", as well as developing the "Kick Sensor".

Founded in 1908 in Velbert, the company first supplied lock sets to Mercedes Benz (now Daimler AG) in 1920.

### About MICROWAVE VISION

Since its creation in 1986, The Microwave Vision Group (MVG) has developed a unique expertise in the visualization of electromagnetic waves. These waves are at the heart of our daily lives: Smartphones, computers, tablets, cars, yachts, trains and planes -- all these devices and vehicles would not work without them. Year after year, the Group develops and markets systems that allow for the visualization of these waves, while evaluating the characteristics of antennas, and helping speed up the development of products using microwave frequencies. The Group's mission is to extend this unique technology to all sectors where it will bring strong added value. Since 2012, MVG is structured around 4 departments: AMS (Antenna Measurement Systems), EMC (Electro-Magnetic Compatibility), EIC (Environmental & Industrial Control), NSH (National Security & Healthcare) and more recently introducing NeptuLink<sup>by MVG</sup> which provides 4G communications while at sea. MVG is present in 10 countries, and generates 90% of sales from exports. The Group has over 350 employees and a loyal customer base of international companies. The Group generated revenues of € 56.7 million in 2014. MVG has received the BPI "Innovative Enterprise" certification, and is eligible for PEA-PME.

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