

THE POWER IN RADIO ELECTRONICS

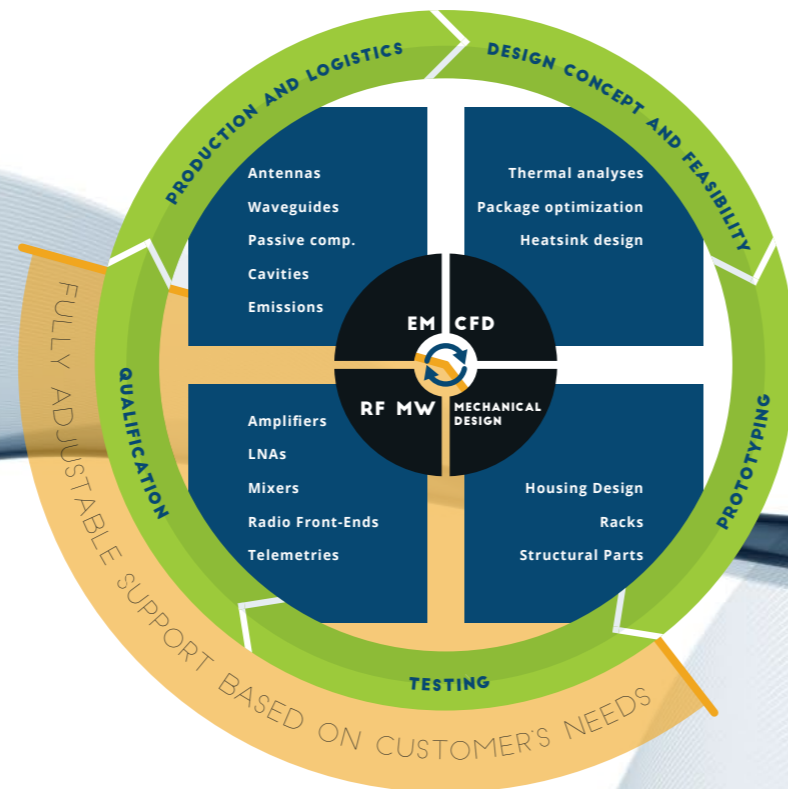


CREATING
SOLUTIONS

www.e-reon.com

SERVICES

- Design Review
- Simulation and modeling
- Material Testing
- Qualification
- Component Testing
- Product testing / Validation
- Failure Analysis
- Education and training



WE ARE FOLLOWING A VERY FLEXIBLE SCHEME FOR THE SERVICES WE ARE PROVIDING

CAPABILITIES

- **Development** of RF and Microwave Components, Modules and Systems (Active and Passive)
- **Design Support Services**
ECAD, MCAD, System Design
- **Product Development Support Services**
ECAM, ECAE, MCAM, MCAE (In-House)
- **Analysis Services**
3D EM, Signal Integrity, Electrothermal Studies (Fatigue, Thermal Management, Heatsink Design, CFD Studies)
- **Manufacturing Services**
- **Logistics Services**
- **Qualification Services**
- **Project Management Services**

SOLUTIONS



RF ENERGY

AT E-REON YOU WILL FIND A DIVERSIFIED AND RICH PORTFOLIO OF TURN-KEY SOLUTIONS AND SERVICES IN HIGH POWER RF AND MICROWAVE HARDWARE

Band Specific Amplifiers (ISM 433MHz, 915MHz, 2.4 GHz)

We provide amplifier modules and systems ranging from a few watts to Multi-KW systems for Industrial applications.

- All our products can be customized to your specific needs.
- Pallet amplifiers
 - Fully enclosed modules in machined housings for evaluation systems
 - Rack mount systems

All our amplifiers have peripheral circuitry that is constantly monitoring the operation of the amplifier and can be controlled through dedicated software (GUI) by the user.

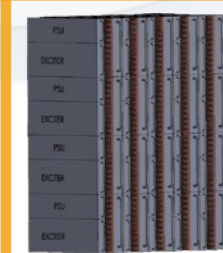
- Some of the features of the monitoring system, are:
- Measurement of FW/ RFL Power (PEP, RMS)
 - Relative phase difference in between FW and RFL waves.
 - Instantaneous current consumption for each transistor
 - Module fault alarm
 - Temperature monitoring
 - Over Temp alarm
 - PAE calculation
 - Fail safe modes set by user
- (In evaluation environment the user can set specific levels of alarms. Each amplifier has built-in protection functions that always keep it in between the limits of its Safe Operating Area)



Hyperthermia Systems

Following in our designs the most stringent standards for Medical Applications we are developing customized solutions for Hyperthermia Treatment.

- Some key features of our systems are:
- Compact Multichannel Design (10, 20, 40 channels)
 - Various output power levels (75W to 200W)
 - Accurate vector measurements of forward and reflected waves
 - DDS based multichannel Exciters that feed the Amplification system

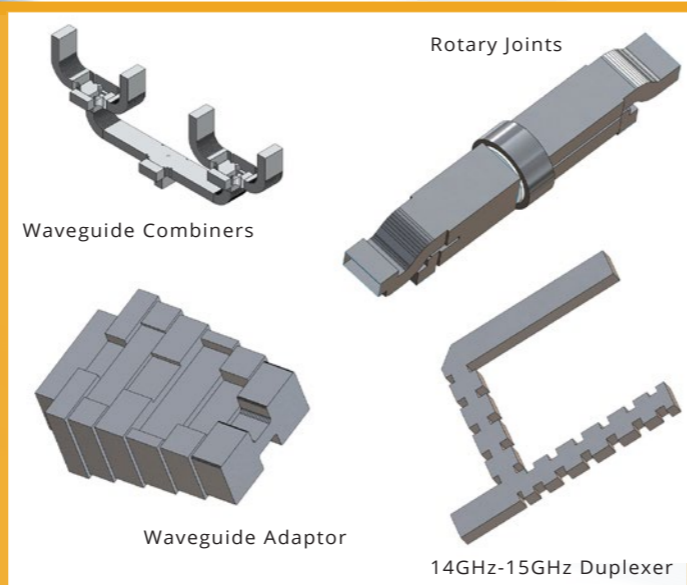


Passive Components and modules for A&D

When quality, reliability and performance are the main objectives, our Engineering team is ready to listen to your request and provide the best in class tailor made solution.

We have an accumulated experience of many decades in A&D applications and a dedicated engineering team to support them.

- We offer solutions for:
- 1030-1090 pulsed amplifiers at 3.2 and 4 KW
 - Up-down converters
 - L-Band Amplifiers (pallets, modules, rack mount)
 - GaN based multioctave amplifiers
 - S-band pulsed amplifiers
 - NATO-1 NATO-3 band Amplifiers
 - Custom Waveguide assemblies



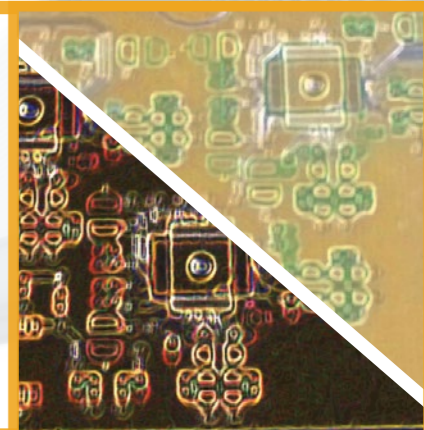
Exciters

Counting many years of experience in the design and development of solutions for RF-Energy applications, we understand the Customer's need for solutions that will minimize the Time to Market for its products without making any compromises in the quality.

For this reason we have developed excitation modules with a plethora of features that give to our Clients the freedom to experiment with different modes of operation and reduce to zero any kind of troubleshooting when operated with our amplifiers.

Deciding through a product matrix the frequency of operation bandwidth power level, we can support you on the selection of the exciter that will cover your needs.

Our answer to the competition has only two steps: Plug and Play.



WORKING ON INNOVATIVE IDEAS

Vision

Establish the first company in the Market to provide Hardware Solutions and Integration Services in the area of RF Energy for Commercial and Industrial applications.

Mission

Develop technology that will promote the usage of solid state power devices and replace current RF Energy sources.

Strategy

Conquer the market by capitalizing the technological advances gained over the past years, and create the proper synergies to strengthen our position and reputation.

**SOMETHING
NEW IS GOING
TO HAPPEN**

E - r e o n B V

+31 85 047 1082

info@e-reon.com

Handelsweg 15
3161 GD Rhooen
The Netherlands

www.e-reon.com

**E-REON is a world class
RF/Microwave Solutions Company.**

Our core business focuses in the design and development of High Power RF/Microwave hardware (Active and Passive) for Commercial, Industrial and A&D markets. Ranging from low power exciters to multiKW power amplifier systems for Industrial Heating and RF Energy applications, our product portfolio and services cover a wide spectrum of applications and Markets.

It is our Mission here at E-REON to always turn quality and innovation into Customer satisfaction.

