



**AERONAUTICS**

TESTING SYSTEMS



**WHO WE ARE**  
**WHO ARE OUR CUSTOMERS**  
**WHAT WE PRODUCE**  
**WHAT WE OFFER**  
**WHERE WE ARE**

**Divmac**

# WHO WE ARE

## AEROSPACE OVERVIEW

For over two decades now, DIVMAC are experts in design, manufacture, supply and ongoing support of electrical wiring testing solutions, for aerospace and automotive industries.

Industry requirements are changing, as quickly as technology improves. cables and wiring demands higher voltages and more complex assemblies. DIVMAC strives daily to manufacture products to meet these requirements.

Aerospace products complexity, in particular, is huge and faulty wiring or malfunction lead to disastrous consequences on the aircraft systems integrity.

Your safety is our primary concern, and DIVMAC testing systems represent accuracy and reliability, complying with international valid norms and standards, such as DIN EN2283.

# WHO ARE OUR CUSTOMERS

## AEROSPACE

DIVMAC has a wide customers portfolio including large aircraft original equipment manufactures (OEM).

Our cable testing systems are sold worldwide.



**AIRBUS**



# WHAT WE PRODUCE

## CABLE & WIRE HARNESS TESTING SYSTEMS

Our testing systems are based on modular and adjustable system architecture.

They can easily be adaptable to the customer's specific needs as well as testing requirements, through individual combinations of hardware components and software functions.



# 1. DV HV6000

## THE BEST CHOICE FOR HIGH VOLTAGE TESTING



DIVMAC's proven testing system, DV HV6000 is a powerful ATE (Automated Test Equipment) for high voltage testing.

Designed with a standard of 19 inches cabinet test system, it consists of a main measurement base unit, equipped with moveable and efficient expansion test point units.

It supports different switch matrix modules rated at different voltages according to specific applications.

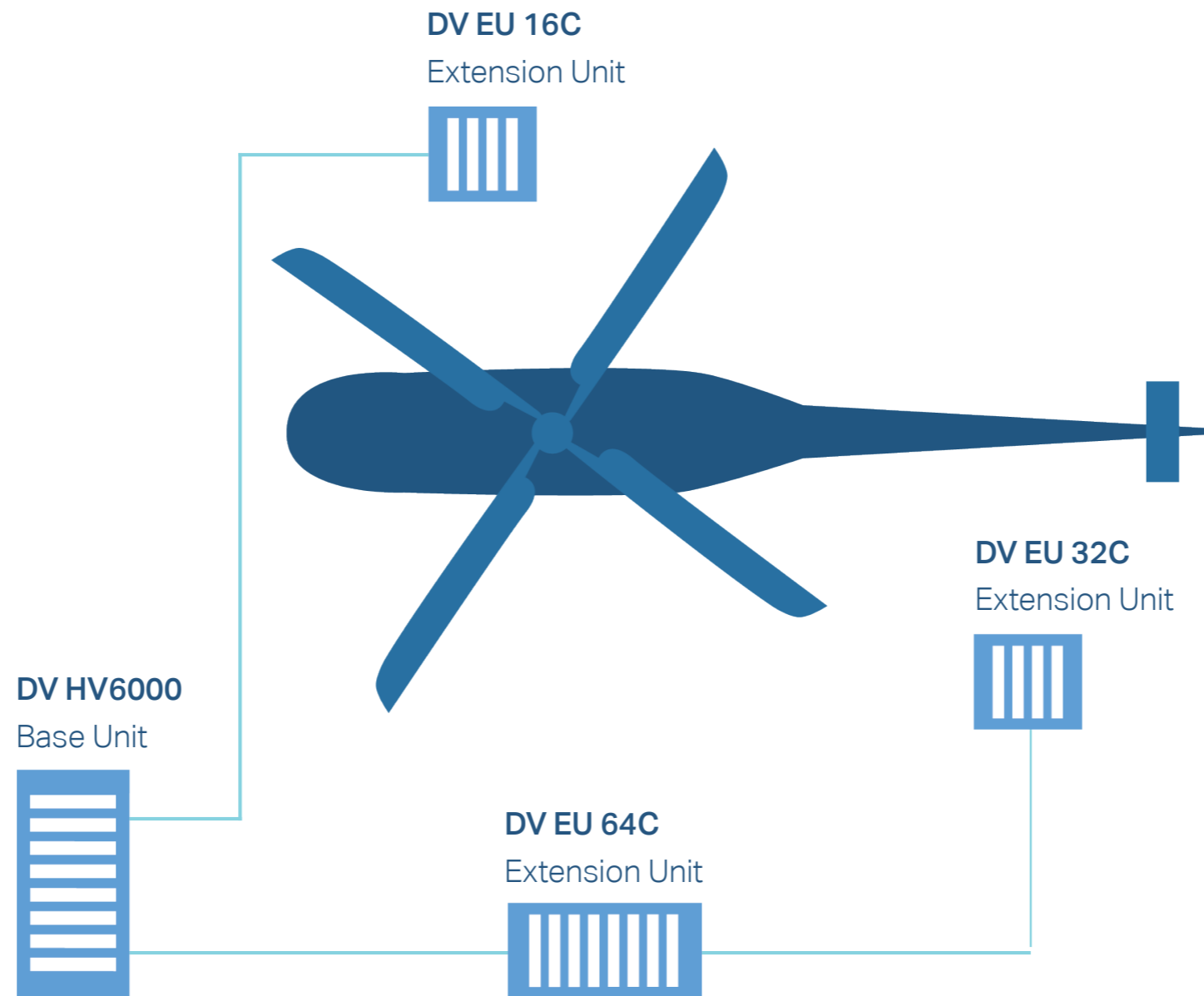
Coverage of relevant standards i.e. DIN EN2283, DIN EN50343 & DIN EN50155

### KEY FEATURES

- High voltage insulation resistance and dielectric strength tests up to 6000 VDC/VAC @ 40mA max (other options available upon request)
- Low voltage tests up to 50V with adjustable current limit
- Almost unlimited test point expansion capability
- Capacitance measurement
- Functional test of components (i.e. switches, push buttons, relays.)
- Resistance measurement (Kelvin method available)
- Efficient expansion units (DV EU 16C; DV EU 32C; DV EU 64C) in various sizes and types
- Compact, weight-optimized equipment
- Very flexible and modular hardware along with an intuitive and user friendly software

## APPLICABILITY

- Finishing wiring  
(Connectors, terminals, terminal ends, junction boxes, circuit breakers, etc..)
- Aerospace Industry
- Railway Industry (Rolling Stock)



**HV DV 6000 SYSTEM ARCHITECTURE OVERVIEW**

## 2. DV HV6000 FT

### THE FUNCTIONAL TESTER



DIVMAC's proven solution, the DV HV 6000 FT is conceived for aircraft functional testing of components such as switches, relays, panels and signalling elements.

All measurement parameters and test results can be reported during the test procedure and can be printed or saved in a file.

#### KEY FEATURES

- High voltage insulation resistance and dielectric strength tests up to 6000 VDC/VAC @ 40mA max (other options available upon request)
- Low voltage tests up to 50V with adjustable current limit
- Resistance measurement (Kelvin method available)
- Compact, weight-optimized equipment

#### APPLICABILITY

- Functional test of components (i.e. switches, push buttons, relays. ..)
- Finishing wiring (Connectors, terminals, terminal ends, junction boxes, circuit breakers, etc...)



## 3. DV TIGER

### TAYLOR-MADE TESTING SOLUTION



DIVMAC's high voltage testing customized solution for Airbus Tiger helicopter, specially designed for testing the aircraft small cables.

#### KEY FEATURES

- Maximum work voltage 1500v
- Adapters with Automatic recognition software
- 2500 test points (expandable up to 1024 or 2048 test point extension units according to customer's request)
- Insulation resistance and dielectric rigidity tests

#### APPLICABILITY

- Aerospace industry (i.e. Airbus Helicopters Tiger)

## 4. DV HAR9300

### HIGH VOLTAGE TESTING SOLUTION



DIVMAC's high voltage testing solution was developed for aerospace industry. Rack-mounted, cable test system, with distributed test points, in smaller external expansion units.

#### KEY FEATURES

- Maximum work voltage 1500v
- 19-Inch Rack-Mount System on Wheels
- Customized Height and Available Multi-Bay Configurations
- 2500 test points (expandable with 1024 or 2048 test point extension units)
- DV HAR9300 developed modules in order to be an extension of test points for test interfaces
- Movable control desk

#### APPLICABILITY

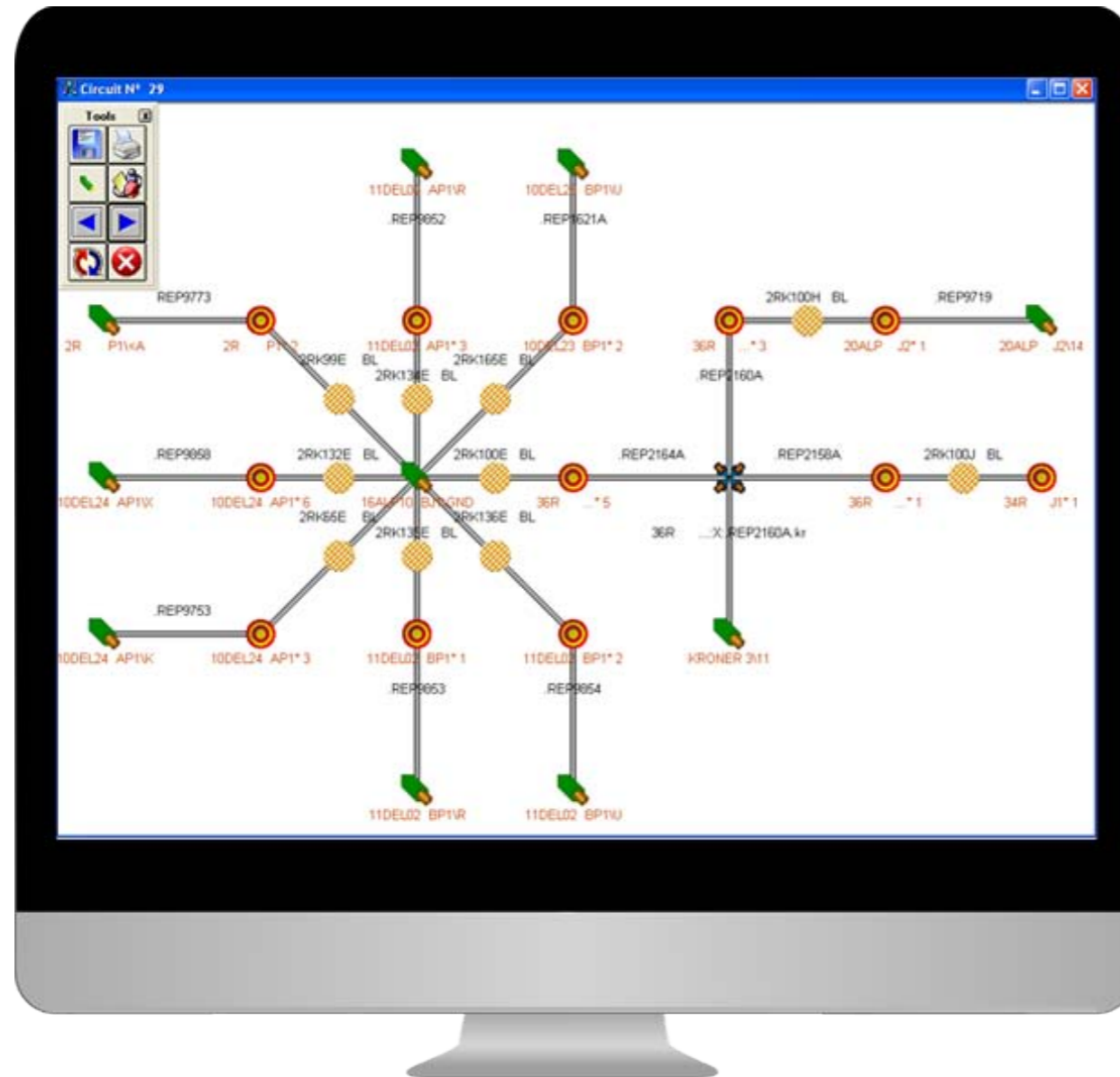
- Finishing wiring (Connectors, terminals, terminal ends, junction boxes, circuit breakers, etc...)
- Aerospace Industry (i.e. Airbus A380 HTP Electrical Test)

# SOFTWARE

Easy to use, our cable testing systems software, was developed to require minimal training, with a fluid and easy to understand user interface. You don't need to be a programmer to use it.

Divmac software is powerful enough to accomodate all of your electrical and function testing requirements, when testing aircraft wiring.

# EDCAB WIN / MONCAB WIN



DIVMAC's powerful Windows™-based tools are not only designed to simplify the test programming process but also to develop cables testing systems references setup.

Firstly, prepare your test program using the editor EDCAB WIN, run it afterwards with the MONCAB WIN and finally analyze your results.

We provide all the tools you need to make your test development process fast, efficient and simple.

## KEY FEATURES

- Powerful and intuitive graphical interface for setup
- Minimal training requirements (easy to use)
- Excel, txt and specific customer formats converter
- Multilingual user interface

# WHAT WE OFFER



## SUPPORT

We are highly dedicated to your satisfaction.

We guide you through equipment installation and start-up.

We provide you with worldwide technical support.

Furthermore, we deliver equipment's spare parts, at any time, upon your request.

# CUSTOMIZED TESTING SYSTEMS

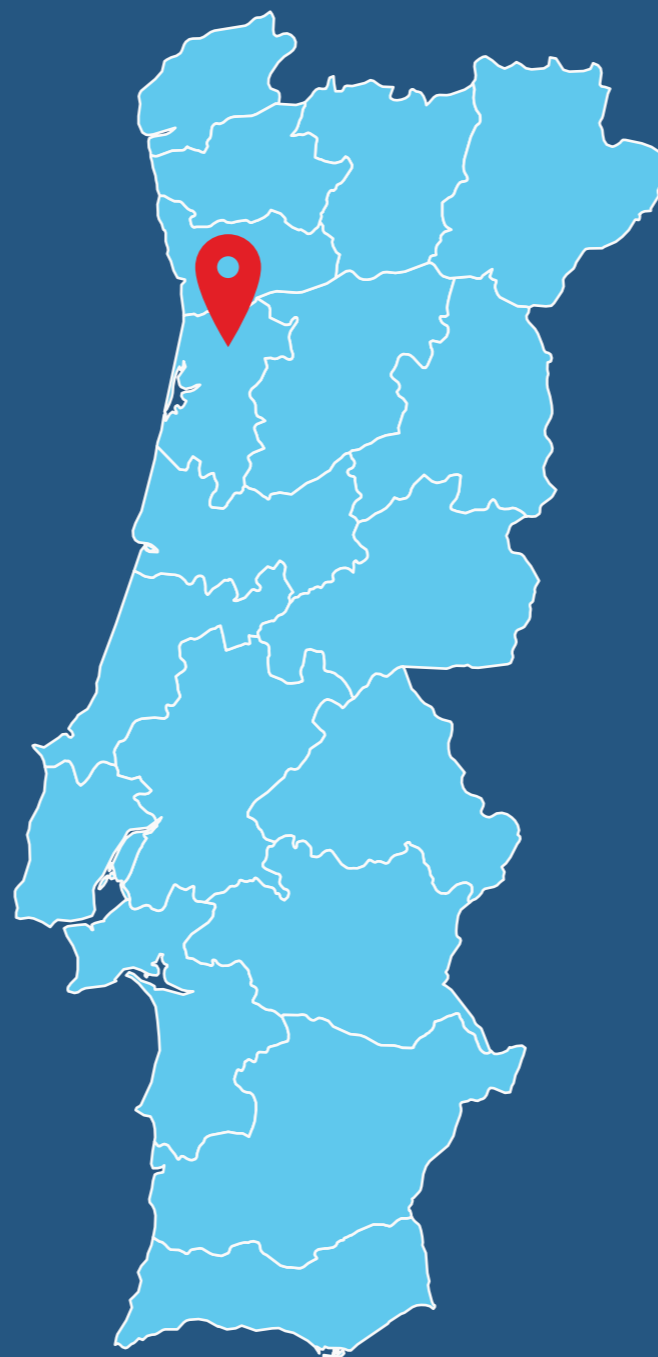
So far, DIVMAC has been doing customized testing systems for a wide of industrial purposes and different customers. These testing systems often goes above and beyoond common standards and requires customization, design and advanced data analysis techniques.

We are always keen to hear from you, in order to meet your particular needs.

***"AT DIVMAC OUR COMMITMENT TO CUSTOMERS DOESN'T STOP AT THE FACTORY DOOR...WE STAY AROUND FOR THE LIFE OF THE MACHINE."***



# WHERE WE ARE



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