New Era in Hardware-Software Communication

HÈRMES-COMM®

Hermes-Comm® simplifies the communication between hardware and
software by reducing development and maintenance costs.

Device

Computer

Server

Thin Client

Smartphone

Tablet

· · ·

Tool

Cable
Wi-Fi
Bluetooth
Cloud
Net
...

®

Hardware

Card

Printer

External device

Scanner

Machine tool

Sensor

Actuator

Totem

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Hermes-Comm® achieves a more efficient form of communication between all kinds of digital devices, on all current and future media.
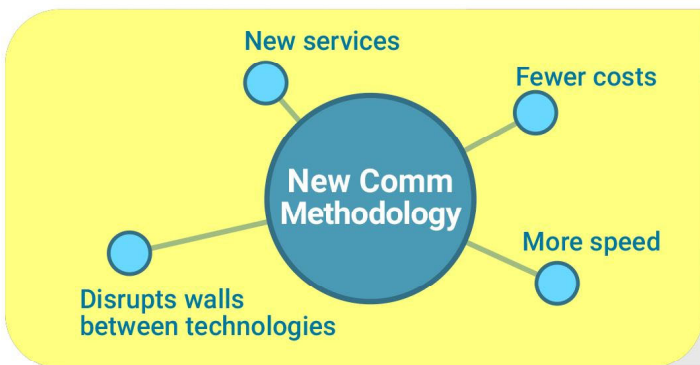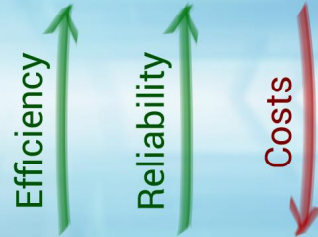
Hw-Sw Communication

Hèrmes-Comm® is an amazing and innovative method of communication between hardware and software that simplifies the design, implementation and maintenance of digital systems.

Efficiency and Savings

Hèrmes-Comm® means more efficient, more stable and lower cost products. All kinds of hardware benefit: computers, servers, mobile devices, printers, scanners, IoT devices, sensors and actuators, machine tools, smart cards and many more. It concerns every field, from industry to services.
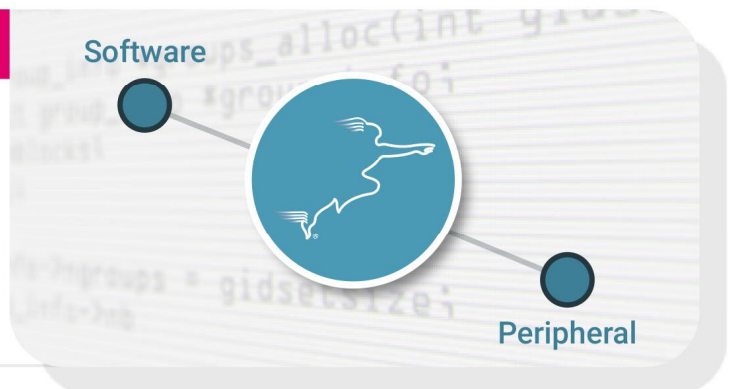
DIGITAL PRODUCTS

Efficiency   Reliability   Costs

Many advantages

Hèrmes-Comm® innovates communication techniques and generates significant results:

- Less design, production and maintenance costs.
- New features are now available.
- Overcoming «barriers» between systems and technologies.
- Faster and more reliable HW-SW Communication.

New services

Fewer costs

New Comm Methodology

More speed

Disrupts walls between technologies

No Driver

In the simplest case of the peripheral Device, *Hèrmes-Comm®* eliminates the need to design and produce an expensive and complex "driver". Accomplishing communication is easier and works without any changes to all the *operating systems*.

Software

Peripheral

Improved Functionality

Hèrmes-Comm® improves the functionality of the product.

- Operating system updates no longer affect communication.
- Data is transferred faster.
- Communication is reliable even on unstable lines.

Important benefits for any kind of application.

OS proof
More speed
More stability

Applications

Many devices have been made with *Hèrmes-Comm®*: PC peripherals, 3D printers, *Cloud* connection, server boards, thermo-hygrometer, self-adapting IoT concentrator, ... A converter for current devices is available.

Thin-Client

Communication is also exceptional when the device or machine tool connects to *Thin Client,* replacing of the expensive PC. More savings, better performance, more security of continuity of the production cycle.

Mobile Devices

New advantages and functionalities for mobile devices: the *Secure Element* with *digital ID* guarantees the identity of the operator. The signing of any transaction or access to a site is *hack-proof* and with full force of law. When purchasing a new *Smartphone*, you can simply use the *Secure Element* with the new device.

Cloud

Connecting a device to a *Cloud* no longer presents issues: communication is established quickly and reliably, and remains reliable even when the line suffers long interruptions.

Future Products

Thanks to its qualities, the *Hèrmes-Comm®* method will become an industrial, aeronautical and military standard. The advantages for each part are so important that all future digital products will include it.

Praim Certification

The functionality of the communication achieved with *Hèrmes-Comm®* has been certified for use in *Thin Client Operating Environments* by *PRAIM Spa*, one of the most important producers in the field.

Gartner "Cool Vendor"

After extensive testing and analysis, *Gartner Inc.*, the most authoritative technology assessment Company, has named *Hèrmes-Comm® "Cool Vendor 2017 in Unified Workspaces"*, indicating it as one of the 5 technologies in the world of great impact and interest. The nomination is made once in the lifetime of a company.
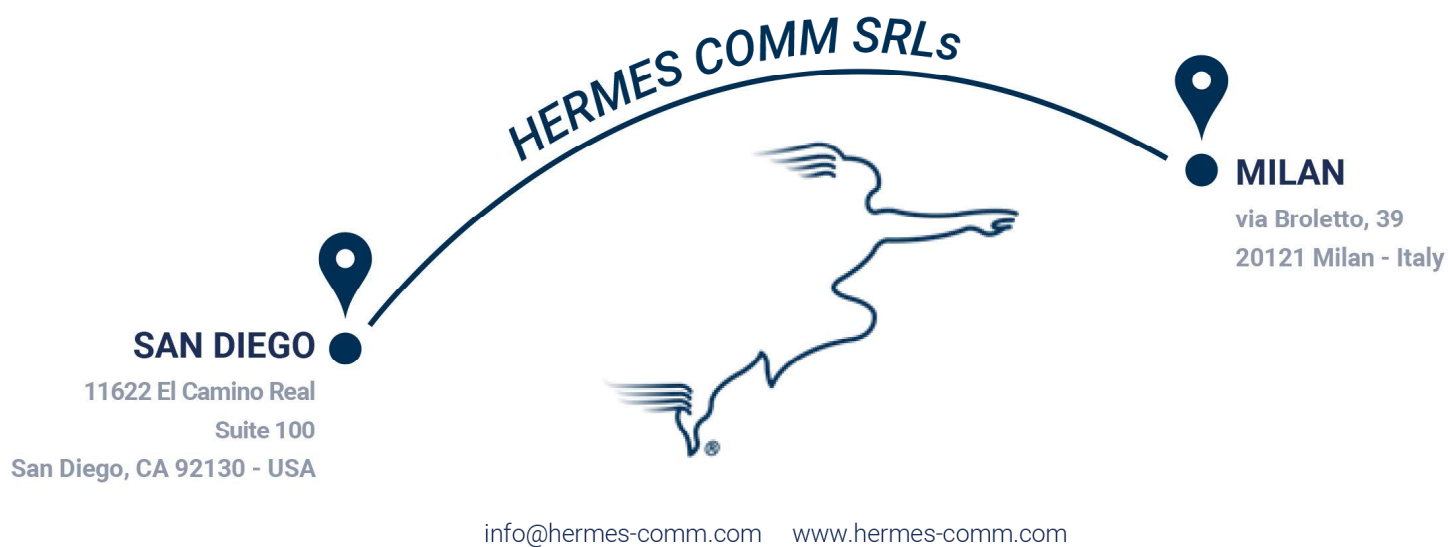
Certifications

The method has been certified at the highest level of inventiveness by the Patent Valuation Authorities in Europe and worldwide: *EPO - European Patent Office* and by *WIPO - World Intellectual Property Organization*. It is a "strong patent" registered in 64 countries around the world.

USA Patented

The *Hèrmes-Comm®* patent was also granted in 2017 by the *USPTO - United States Patent and Trademark Office*, the U.S. Patent Office. It has a commercial and competitive value for the acquirer.

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HERMES COMM SRLs grants the use of the *Hèrmes-Comm®* method to manufacturers who request it.