



*System integration  
System House  
IT Solutions  
Thermographic Systems*

***NA.EL.***  
[www.NA.EL.it](http://www.NA.EL.it)

Via Ferrante Imparato, 190 - 80146 NAPLES (IT)

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# AGENDA



01

## THE COMPANY

*NA.EL.* and the team

02

## SERVICES

A short description of services that *NA.EL.* can provide

03

## FACTORS of SUCCESS

What *NA.EL.* achieved so far across the years

04

## CONCLUSION

Summarize who we are and our goals



# 01

## THE COMPANY

a strong mix of human and technical  
resources





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*“I find that the harder I work, the more  
luck I seem to have.”*

– Thomas Jefferson





# ABOUT THE COMPANY

Founded in 1989, it has always been a reference across regional borders.

The company main task is the design, construction and installation of ICT systems and networks. The range of products **NA.EL.** supplies is very wide: IT systems (server and PC based on WINDOWS, LINUX, and MAC OS), LAN, WAN, WI-FI HYPERLAN, security systems, telecommunication and radiocommunication systems, graphic systems. **NA.EL.** is able to manage satellite images, environmental and meteorological ICT systems for remote control of technological networks, remote alarm systems, audio/video systems, systems, as well as infrared systems and thermographic inspection services.

For the skills and the seriousness shown, **NA.EL.** has been authorized to handle and manage classified documents and material by the Governments.



# THE TEAM

# TEAM COMPOSITION



Dr. Cosimo Cantatore  
CEO



Ivan Cantatore  
COO



Simona Sarnelli  
CAO



Gianluca Gentile  
CTO

# CERTIFICATIONS

## International:

ISO 9001/2015 Quality Management System (QMS)

ISO 14001/2015 Environmental Management Systems (EMS)

ISO OHSAS 45001/2018 Occupational Health and Safety  
Management

ISO 27001/2013 Information Security

SOA OS19 cl. I Telecommunication Networks

## Management:

PRINCE2

ITILv4

## From the Italian MOC:

Regional Telephone Provider

Internet Service Provider

**CLEARANCE:** NATO / EU SECRET



# PARTNERSHIP



## **SERVER and WS**

- Fujitsu, Lenovo, Dell, Cisco, HPE

## **STORAGE**

- NetApp, Fujitsu, Lenovo

## **V-SYSTEM**

- Microsoft, VMWare, Nutanix

## **BACKUP**

- Veeam, Symantec,

## **RADIO**

- Motorola, Cambium, Ruckus, Meraki

## **NETWORKING**

- Cisco, HP/ARUBA, AT, Netgear, Extreme

## **UPS/generator**

- APC, Emerson, Eaton, Bruno gen

## **CABLING**

- Commscope, Panduit

## **SURVEILLANCE**

- Flir, Genetec, Milestone, Axis, Avigilon, Artec

## **VTC**

- Cisco, Poly (former Polycom and Plantronics)
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# 02

## SERVICES

a wide set of IT related services

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# CONTROL ROOMS



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***NA.EL.*** realized different types of Control Rooms to manage various crisis events, from earthquakes to NATO HQ Operational Requirements, from Essential Infrastructure to COVID pandemic

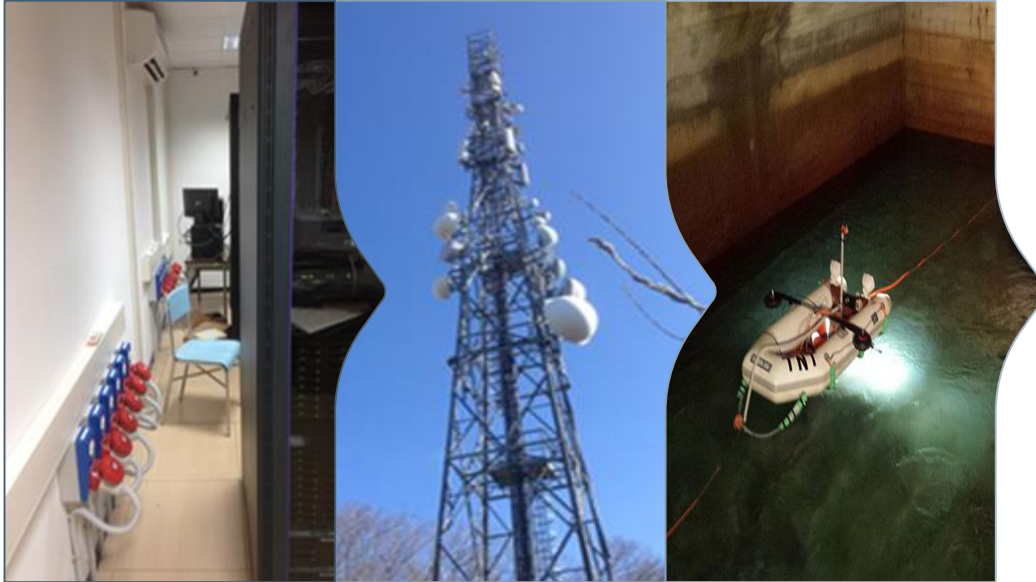
# DATACENTERS

Plan, install and managing Datacenters, both on premises or with “*boots on the ground*” is another versatile skill that **NA.EL.** has

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# ICT & TLC INFRASTRUCTURES

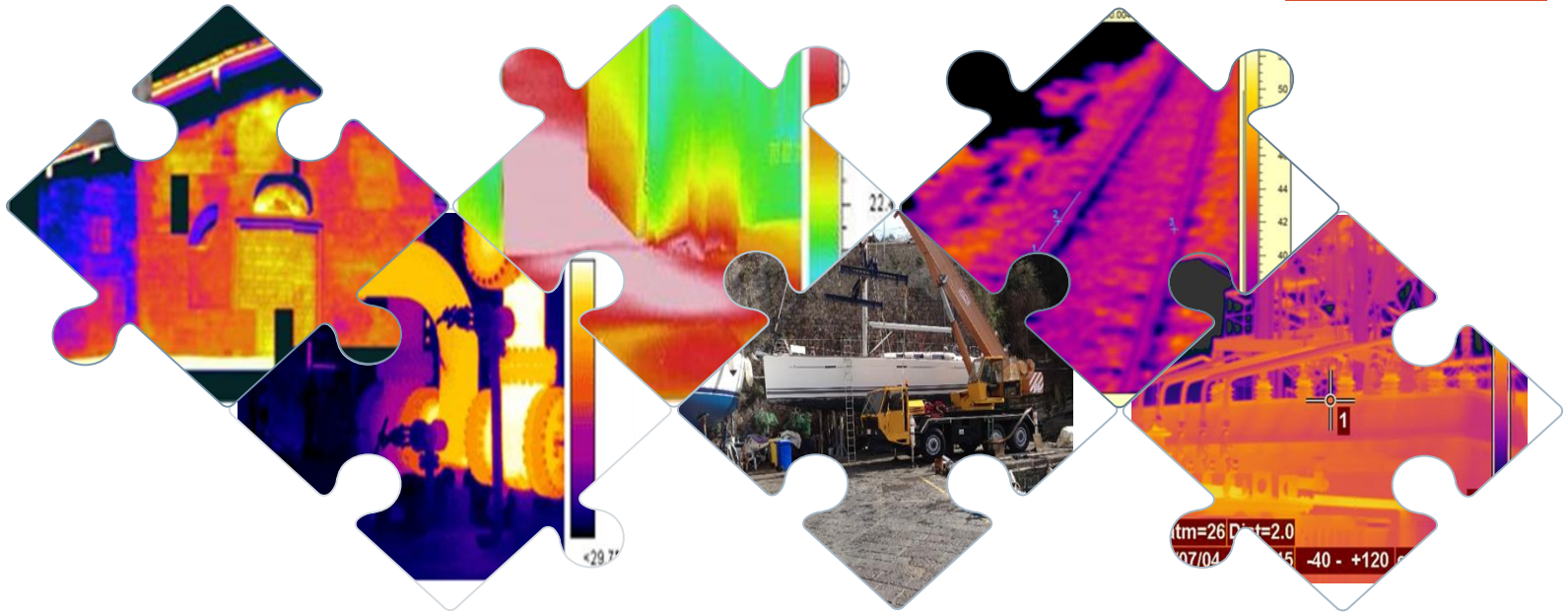


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Installing Fiber-Optic cables, as well as creating a power distribution module or a complex antenna system is another skill that **NA.EL.** has proved to have in many different occasions

# THERMOGRAPHY

used to identify and analyze thermal anomalies for the purposes of condition monitoring of machines and infrastructures





03

## FACTORS of SUCCESS

Rugged DCIS

Hyperconvergence





# Deployable CIS (DCIS)



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Tactical Server Farm for  
C2, (C4)ISR  
for Joint and / or  
Combined environment.

Net-Centric system based  
on HCI technology.



# SISTEMA DI COMANDO E CONTROLLO CAMPALE

## DEPLOYABLE COMPUTER INFORMATION SYSTEM

The System has 4 modules:

1. Servers
  2. Air Conditioning
  3. Power Supply (UPS)
  4. WAN / LAN core/edge  
switch
- 



# DCIS Capabilities

Installable in 15 minutes  
Usable in 30 minutes

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**SMART DCIS**  
DEPLOYABLE COMPUTER  
INFORMATION SYSTEM  
Rugged and Air-Conditioned  
Rack 19" Standard

In Accordance With:  
MIL-STD 1472, MIL-DTL 5541,  
MIL-STD 810G, MIL-STD 461F,  
MIL-STD-462D

**Tower Configuration\***  
\*Containers Height Shown Configuration: about 2 meters



Blade System  
FUJITSU BX 400  
2 X Storage SSD  
Core Switch

UCS Fabric  
Interconnect  
Multiplexer  
Fabric Switch  
NetApp  
FA8 3210

Air Conditioner  
Unit  
Power Supply  
UPS 3kVA

**KOMBAT**  
www.kombat.it

**NA.EL.**  
www.nael.it

**LIGHT DCIS**  
DEPLOYABLE COMPUTER  
INFORMATION SYSTEM  
Rugged and Air-Conditioned  
Rack 19" Standard

In Accordance With:  
MIL-STD 1472, MIL-DTL 5541,  
MIL-STD 810G, MIL-STD 461F,  
MIL-STD-462D

**Tower Configuration\***  
\*Containers Height Shown Configuration: about 1.5 meters

**GROUND  
AIRBORNE & MARINE  
APPLICATIONS**



Blade System  
FUJITSU BX 400  
2 X Storage SSD  
Core Switch

Air Conditioner  
Unit  
Power Supply  
UPS 3kVA

**KOMBAT**  
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# HYPERCONVERGENCE

Hyperconvergence eliminates traditional IT management issues by packaging data center services such as server, storage and network and allowing them to be managed in a single application.



# DCIS Networking and Power

## Core Rack:

1. Router
  2. Firewall
  3. Core Switch: 12 f.o. ports L3/L4
  4. SatCom Eq (opt)
  5. Power Supply (UPS)
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## Distribution Rack:

1. Distribution Switch: 24 f.o. ports L3/L4
2. Power Supply (UPS)





04

# CONCLUSIONS

...almost at the end







# CONCLUSION

*NA.EL.* is a fantastic reality that contributed in IT development and implementation on many military operations.

When you are referring to *NA.EL.* you can have:

1. High Standard skills
2. Attention to Details
3. Everytime a smile on our face

# THANKS

Do you have any questions?

[info@nael.it](mailto:info@nael.it)

+390815595154

[www.nael.it](http://www.nael.it)

