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HIGH RELIABILITY, LOW COST, STACKABLE POWER SUPPLY FOR SECURITY SYSTEMS

Fact Sheet

Project Information

SECURITAC

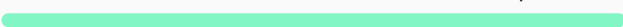
Grant agreement ID: 222444

[Project website](#) 

Project closed

Start date
1 November 2008

End date
30 April 2011



Funded under
Specific Programme "Capacities": Research for the
benefit of SMEs

Total cost
€ 1 208 036,98

EU contribution
€ 904 481,28

Coordinated by
NTRAM GENERAL S.A.
 Spain

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Objective

Security systems (including fire, intrusion, access control, and voice alarm) typically contain an AC-DC power supply to deliver power to the system and to charge and maintain 12V batteries, which provide the “secondary source” during a mains failure. The combined power supply-charger-battery system represents a key component of such systems in terms of cost and contribution to system reliability. For the SME manufacturer and installer, the manufacturing, inventory, document control, and service costs associated with the provision of a wide range of power supplies to address the market is significant. In addition, as amendments are made to the applicable EN standards (EN54-4/A2, EN50131-6, EN60849, etc) manufacturers are often required to re-design, re-test and re-certify each power supply design, which represents significant actual and opportunity costs. As such, SME consortium members have identified a need to address the costs associated with existing security system power supplies, and at the same time significantly improve the manufacturability, reliability and the feature set of these key components. The stackable (load sharing) approach offers increased reliability through design and redundancy and cooler operation by spreading component heat over a larger surface area. Manufacturing costs are minimized via the manufacture of high volumes of a common module to suit a wide product range, and the need for only one test fixture and test procedure. The approach also enables a given system to be configured for a range of standby times (eg 24 to 72 hours) as required by the customer. SME participants plan to integrate the SECURITAC power supply as a key component in their own products and installations, and to sell it to other manufacturers in the form of an OEM module.

Fields of science (EuroSciVoc)

[natural sciences](#) > [computer and information sciences](#) > [computer security](#) > [access control](#)

Programme(s)

[FP7-SME - Specific Programme "Capacities": Research for the benefit of SMEs](#)

Topic(s)

[SME-1 - Research for SMEs](#)

Call for proposal

FP7-SME-2007-1

[See other projects for this call](#)

Funding Scheme

[BSG-SME - Research for SMEs](#)

Coordinator



NTRAM GENERAL S.A.

EU contribution

€ 53 954,64

Total cost

No data

Address

CALLE VICTOR PRADERA 45

08940 Cornellà De Llobregat Barcelona

 **Spain** 

Region

Este > Cataluña > Barcelona

Activity type

Private for-profit entities (excluding Higher or Secondary Education Establishments)

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Participants (7)



IFAM-INGENIEURBURO FUER APPLIKATION VON MICROCOMPUTERN GmbH

Germany

EU contribution

€ 146 338,83

Address

**Parsevalstrasse 2
99092 ERFURT**

Activity type

Private for-profit entities (excluding Higher or Secondary Education Establishments)

Links

- [Contact the organisation](#)
- [Participation in EU R&I programmes](#)
- [HORIZON collaboration network](#)

Total cost

No data



CanTech s.r.o

Czechia

EU contribution

€ 159 047,12

Address

**POTOCNI 40
787 01 SUMPERK**

Activity type

Private for-profit entities (excluding Higher or Secondary Education Establishments)

Links

- [Contact the organisation](#) [Website](#)
- [Participation in EU R&I programmes](#)
- [HORIZON collaboration network](#)

Total cost

No data



EDS ELEKTRONIK DESTEK SANAYI VE TICARET LIMITED SIRKETI

 Türkiye

EU contribution

€ 153 629,50

Address

SARGAZI MECLIS MAH TERAZICILER CAD

34785 ISTANBUL 

Activity type

Private for-profit entities (excluding Higher or Secondary Education Establishments)

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Total cost

No data



TECNICA EN INSTALACIONES DE FLUIDOS S.L

 Spain

EU contribution

€ 167 498,89

Address

Pol. la Portalada II, C/Cordonera 2

26026 LOGRONO 

Activity type

Private for-profit entities (excluding Higher or Secondary Education Establishments)

Links

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[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Total cost

No data



EUROALARM SPOL SRO

 Czechia

EU contribution

€ 153 399,50

Address

Drazovice 275

68301 ROUSINOV 

Activity type

Private for-profit entities (excluding Higher or Secondary Education Establishments)

Links

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[HORIZON collaboration network](#) 

Total cost

No data



ATEKNEA SOLUTIONS HUNGARY KFT

 Hungary

EU contribution

€ 35 870,40

Address

TETENYI UT 93

1119 BUDAPEST 

Region

Közép-Magyarország > Budapest > Budapest

Activity type

Private for-profit entities (excluding Higher or Secondary Education Establishments)

Links

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[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Total cost

No data



AALBORG UNIVERSITET

 Denmark

EU contribution

€ 34 742,40

Address

FREDRIK BAJERS VEJ 7K

9220 Aalborg 

Region

Danmark > Nordjylland > Nordjylland

Activity type

Higher or Secondary Education Establishments

Links

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[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Total cost

No data

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European Union, 2025