



Install  
Acceptance



Training  
Calibration



Maintenance  
Electro-technology



Equipment Semi-conductor



Informatics & Network  
Industrial



Evaluation & Repair  
spare parts & Support



## Field Service Customer Support installs project management Multidisciplinary Equipment's Electronics' informatics' electro technology automatism System high-Tech & semiconductor

### Patrick PETIT

10 CLOS DES BOUVREUILS  
95240 CORMEILLES EN PARISIS  
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Mobile: + 33 (0)6 82 95 09 94  
E-mail : petit.pat@neuf.fr

Married 2 children's  
Military Period: NAVY  
Cadre technique  
65% travelling France Europe  
Driving Licence A1 /B  
Valid passport  
Particular Sign: **Motivated** & **MacGyver Skills**

### Job History plant History to day at 1981 electronics' and semiconductor Tools System high-Tech

- **2009 to On this time** SENIOR Consulting Field Service ingénierie Europe and worldwide
- Install Start Up Multidisciplinary Trouble-shooting EXPERT semi-conductor and Hi-tech tools
- For Frontier semiconductor Metrology **FSM G** France (Head San Jose CA USA).
- Install, training ,Star-up application, accepting, maintenance Repair Trouble-Shooting, (on site)
- And Ste **CONATION-Tech** USA. Surplus Semiconductor Equipment sourcing [www.conationtec.com](http://www.conationtec.com)
- **2006 to 2009** Field service customer support Europe traveling. [www.frontiersemi.com](http://www.frontiersemi.com)
- For **Frontier semiconductor Metrology** FSM G France
- Install, training, Start-up application, accepting, maintenance Trouble-Shooting, (on site)
- Unemployment 2004- 2006 & continuing professional training.
- **2001 to 2004** Field service customer support Europe traveling. [www.jpnummer.com](http://www.jpnummer.com)
- JP KUMMER group distributor for semiconductor equipment
- Install, training, Start-up application, accepting, maintenance Trouble-Shooting, (on site)
- Applied Precision semiconductor/ Jordan Valley /Sela Laboratoire / Yeild .
- Unemployment fin 1999 to 2001 & continuing professional training.
- **1981 to 1999 TEKELEC Airtronic** Field service technical support manager SAV Europe traveling.
- Department Equipment manufacturing measured and testing.
- Activity equipment electronics' and semiconductor tools.
- Install, training, start-up application, accepting, maintenance repair,Trouble-Shooting, (on site)

### Customer in Europe and worldwide

St. Microelectronics Crolles ' FR / Intel IR / AMD Globalfoundrie Desden DE / CEA-LETI Grenoble FR/ IMEC Leven BE / EPCOS Munich DE / S/ STMicro Malta / ST micro Agrate Italia / Seagate UK/ Infineon Munich DE / Freescale Toulouse FR / Technical University Darmstadt DE / Fraunhofer Institut Berlin & Freiburg DE / Bookham Londre UK / NXP Philips CEAN FR/ IHP Frankfort ODER DE / Tower Semiconductor Israël/ SMC Edinburgh UK / Atmel Rousset FR/ Texas Instrument Japan/ M-CELLS solar, Pinghu CHINE / Shanghai Industrial µTechnology Research Institute ,Chine .

### SCHOOLE-EDUCATION

3 years Professional Education alternately School and Company.  
C.A.P and E.F.A. Repair Electronics' TV HI FI ET Radio Transceiver. Level 1

#### AFPA Tours.

Professional School, Automatism and electro-technique Electronic industrial C.F.P.A. Level 2 (B.E.P.)

#### AFPA CHATELLEREAUL.

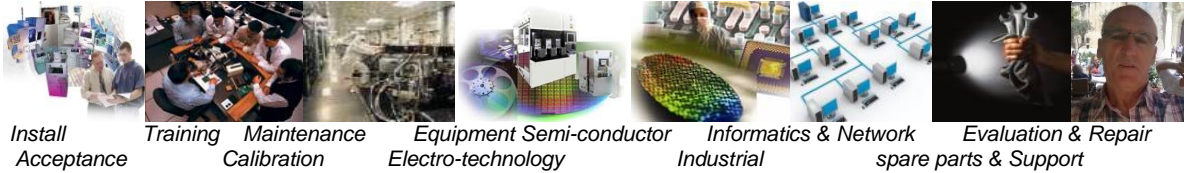
Professional School complementary Training, electronic and automatism and maintenance C.F.P.A. Level 2 (B.E.P.)

#### IB FORMATION PARIS 16.

Formation Informatics' and Network administrator Training, on Microsoft Windows NT4  
Application to prepare at MCP  
Technology and Network interconnection

**LANGUAGE:** English  
**CCI of Pontoise** Start level  
**IFG Langue Paris** level 1  
**Greta Enghien** level 1 to 2  
Language of work in the electronic environment and semiconductor

**FREE TIME Sports** (Windsurfing, mountain-bike, Ski and jogging,) ,Electronic leisure, Ham radio,  
Informatics', Hardware and Software, gardening and family life.



**Field Service Customer Support installs project management Multidisciplinary**  
 Equipment's Electronics' informatics' electro technology automatism  
 System high-Tech & semiconductor

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Married 2 children's  
 Military Period: NAVY  
 Cadre technique Home office position  
 65% travelling France Europe  
 Driving Licence A1 /B /  
 Valid passport  
 Particular Sign: **Motivated.**

**My skills cover the following services.**

- Install, start-up, training, application, integration, accepting, Trouble-Shooting, Repair.
- Maintenance Multidisciplinary expert analyst,
- Background activities, repair, of complex Technical system,
- Including electronics analogic and computer/ informatics and electro-technology Hardware & software,
- On site customer traveling France Europe & world.
- Many Years expertises of maintenance practices,
- Costs management, priorities setting in emergency situations.
- Calibration and test of performance, on system of metrology, optic, and electronic boards.
- Software & Hardware update.
- Configuration of the professional soft, File INI, Windows OS ,networks, loading new software and back-up data (ghost).
- Configuration of the application software metrology semiconductor, and other,
- Robot of transfer, aligner, and the optic system.
- Capable to read and to understand, the diagrams and the service manual, electronic, electrotechnology
- of complex equipment and micro mechanics' Hi-tech .
- Follow-up on calibrations of the different metrology system, performances analysis
- and of them reliability and stability testing, circuit and robot system,
- Setting in work of the contamination environment test and calcification for return in production.
- Follow-up of the preventive plan and Curative maintenance, management of stock, provision of spare parts
- Follow-up of the equipment basis installed in Europe, Malt, Israel.

**EXPERIENCES-PROFESSIONAL** Frontier Semiconductor Metrology 2005 to 2009 [www.frontiersemi.com](http://www.frontiersemi.com)

Field service Customer support, install start-up, maintenance itinerant France Europe, on equipment's semiconductor metrology. Stresse measurement Wafers (technology by Laser Diode optical), and equipment for the measure of thickness, equipped an interferometer by infrared optical probe. This equipment is designed for the industry of the semiconductor Production and scientific laboratory.

On stresse equipment's, I intervene in the phase of pre-recipe and conformity setting for customer in our factory (San José CA) also in the installation phase that consists to the setting up of the facilities, electric, electronic starting of computers and software ,safety test norm, and start on-board robotics, Then testing and measurement of reliability, accuracy following of matching, in conformity with the client specifications, demonstration of the capacities of the equipment, followed of formation of the users and the team maintenance first level, and finalize by the recipe of acceptance by customer.

My second role: of support preventive and curative maintenance, I intervene for the problems of software and setting, up-date, integration option and new settings  
 Software, safeguard ( ghost of the PC and HD network) , electronic electro-technology repair, calibration of the diodes lasers and scanner, adjustment and setup of robot and aligner, calibration of system optic, interferometer, test of reliability and stability, accuracy, test of the vacuum circuit and turbo pump.

**Customer in Europe and worldwide**

**St. Microelectronics Crolles ' FR / Intel IR / AMD Globalfoundrie Desden DE / CEA-LETI Grenoble FR/ IMEC Leven BE / EPCOS Munich DE / STMicro Malta / ST micro Agrate Italia / Seagate UK/ Infineon Munich DE / Freescale Toulouse FR / Technical University Darmstadt DE / Fraunhofer Institut Berlin & Freiburg DE / Bookham Londre UK / NXP Philips CEAN FR/ IHP Frankfort ODER DE / Tower Semiconductor Israël/ SMC Edinburgh UK / Atmel Rousset FR/ Texas Instrument Japan/ M-CELLS solar, Pinghu CHINE / Shanghai Industrial µTechnology Research Institute ,Chine .**

**Project management achieved:** [www.frontiersemi.com](http://www.frontiersemi.com) **2006- 2017**  
**Field service Customer support**

Installation start-up, training, application, integration, acceptante, Audite, Trouble-shooting expert, sur site Europe & international

Install start-up: FSM 413 C2C **Shanghai Industrial µTechnology Research Institute** ,Chine September 2017  
 Install start-up: PECVD Semco **M-CELLS Photovoltaic** , Pinghu CHINE AUGUST 2017

Audit a system Jordan valley Jvx 6200 **Texas instrument Aizu JAPON** Avr 2013

Stopping and disassembly's, for packaging a Jordan valley Jvx 6200 **Texas instrument Aizu Japon** October 2013

Install Start- up: PE CVD  
Install Start- up: FSM 128C2C  
Install Start- up: FSM 413 C2C  
Install Start- up: FSM 500 TC  
Install start-up: FSM 500 TCV  
Install start-up: FSM 413 C2C  
Install start-up: FSM Melt  
Install start-up: FSM 128 c2C  
Install Start- up: FSM 413 M  
Install start-up: FSM Melt  
Install start-up: FSM 128 LT  
Install start-up: FSM 900 C2C  
Install start-up: FSM 128 LT

**M-CELLS solar**, Pinghu CHINE August 2017  
**Shanghai Industrial µTechnology Research Institute** ,Chine September 2017  
**St. Microelectronics Agrate Italy** Mai June .2013  
**SMC Edinburgh university UK** November 2013  
**IHP Frankfur ODER DE** Mai 20012  
**St. Microelectronics Crolles FR** September .2008  
**AMD Globalfoundries Dresden DE** December 2007  
**AMD Globalfoundries Dresden DE** November. 2007  
**St. Microelectronics MALTA** Mai .2007  
**Fraunhofer Institut Berlin** December .2006  
**Intel IR Dublin** September and . October 2006  
**St. Microelectronics crolles FR** September .2006  
**AMD Globalfoundries Dresden DE** November . 2005

JP Kummer 2001 to 2004

Install Start- up: Applied Precision PRV III St. Microelectronics Grenoble Fr  
Install Start- up: Applied Precision PRV III ALTIS Every Fr  
Install Start- up: Applied Precision PRV III ATMEL Nantes Fr  
Install Start- up: Jordan Valley JVX 6200 LETI Grenoble Fr

On this time I work as a free-lancer on field service for **FSM G** France Europe, and **CONATION** Technologie USA

FSM ref: Mr. Adrian CAILAN Field service Manager Europe, Mobile: +33 (0)676 49 44 87  
CONATION-TECH Ref: Mr Jean RICHAUD Tel: +1 253.219.1513

### **Objectived:**

To take new responsibilities, Thanks to my long experience of technical departments, I am able to deal with all situations in production field and to manage any type of conflict generated by technical problems. I am all devoted to listen to collaborators and my profile is totally solutions oriented. I guarantee a high quality service and a full engagement to meet your deadlines.

My added value.

An efficient organisation, accurate methods and a strong experience to provide you the best solution, at the best price, with the best delivery time.

### **EXPERIENCES-PROFESSIONAL**

Capable to intervene on all type of electronics', analogical or numeric and different technology or high- tech material, very high frequency, optic, informatics' network and micro mechanical .

### **Administrative management Of service and spar parts.**

Development of quoted them, management of the stock, provision of spare parts, organization of work and travelling.  
I give a big importance to listening to customers, and good relationship

### **Professional Training**

#### **FRONTIER SEMICONDUCTOR METROLOGY.** [www.frontiersemi.com](http://www.frontiersemi.com)

Five weeks, San José California Training on FSM 413 C2C  
Equipment infrared interferometer system,( wafer thickness) for the industry semiconductor  
Five weeks, San José California Training FSM 128 C2C / FSM 500 TC / FSM 900C2C Equipment of metrology for stress measurement by laser diode, high Temperature controlled.

**Sela Laboratoire:** Two week Yokneam Elite Israel on two automatics machine for the Micro-cleaving to prepare the parts for TEM & SEM electronics' Microscope.

**APPLIES PRECISION:** Issaqu USA Second Training Five Weeks on system test auto of test for Probe Card Analysis and characterizations . (new machine) for prober system

**APPLIES PRECISION:** Issaqu USA Training three Weeks on System test auto for Probe Card Analysis and characterizations. (All machine ) for prober system.

**Jordan Valley:** Aifa Israel On the machine of analysis of Thin Film By X-RAY Three Week.

**Kirsten Jet:** Switzerland six week, training on solder wave machine automatics and crimping automatics robot.

**Eubanks France:** once per year one week on the new machines of the range ,and the systems of test CABLESCAN .

**HAROTECH Switzerland:** one week in 1998 on machine automatics of pick- and- place

For SMS component assembly and reflow oven IR

**WENTWORTH UK:** Two weeks on machine auto and Semi-auto Prober for semiconductor, and machine compass for the assembly and test and characterization of Probe card.

**Wirsc ALPHASEM:** Switzerland one week training on fully automatic die attach systems and wire bonder machine

### **EMPLOYMENT-HISTORY**

**2009 On this time** Free-lance for Frontier semiconductor Europe **FSM G** **CONATION** Technologie USA

#### **Frontier Semiconductor Metrology** 3 years 1/2

Field service Customer Support and Maintenance install start up, training, Itinerant France Europe,  
On equipments semiconductor industry.

#### **JP KUMMER SARL** 3 years 1/2

Technical Field service Manager, Activity Distributor Semiconductor, Equipments multi technology.

**API**, characterization Probe card machine.

**Jordan Valley** Thin film Metrology, By X ray,

**Sela Laboratoire** Micro-cleaving System. For SEM and Tem Microscope,

**Yield** Plasma Systems.

I was responsible for the install, starting up, calibration, maintenance of equipment multi technology sold by the group in France Europe.

**TEKELEC AIRTRONIC** 18 years

**Technical Field service Manager.**

Support of the Department "manufacturing Equipment measurement and test.  
Service management In charge of elaborating quotations, administrating and selling  
Spare parts, in direct relationship with customer.  
Install Repair on site or at workshop automatic machines and electronic system test, install  
Software and hardware,

**SERVICOM SA Part of the Group TEKELEC AIRTRONIC**

Technical IV.3 Field service Leader, to repair uninterruptible power supplies,  
Electronic systems, computers, Technical Support for manufacturing Equipment Department  
Test & measurement, customer Training, installation of system equipment production.

**TEKELEC AIRTRONIC**

**TECHNICAL IV.1 Field service,**

to repair, Analog and Digital electronic instrument, Uninterruptible Power supplies, Magnetic system, and computers, magnetic module,  
oscilloscope instruments, switching power-supply

**R.I AUTOMATION JOUE LES TOURS and ADANAUTOMATIN , CHAMBRRAY LES TOURS**

TECHNICAL OQ3, Automatism, Design and assembly of specials machines and robots.  
Follow up of technical plan .

**FORCLUM JOUE LES TOURS**

Department Automatism and manufacturing Installation and debugging on industrial sites.

**SCHOOLE-EDUCATION**

3 years Professional Education alternately School and Company.  
C.A.P and E.F.A. Repair Electronics' TV HI FI ET Radio Transceiver. Level 1

**AFPA Tours.**

Professional School, Automatism and electro-technique Electronic industrial C.F.P.A. Level 2 (B.E.P.)

**AFPA CHATELLEREAUL.**

Professional School complementary Training, electronic and automatism and maintenance  
C.F.P.A. Level 2 (B.E.P.)

**IB FORMATION PARIS 16.**

Formation Informatics' and Network administrator Training, on Microsoft Windows NT4  
Application to prepare at MCP  
Technology and Network interconnection

**LANGUAGE:** English

**CCI of Pontoise** Start level

**IFG Lanque Paris** level 1

**Greta Enghien** level 1 to 2

Language of work in the electronic environment and semiconductor

**FREE TIME**

**Sports** (Windsurfing, mountain-bike, Ski and jogging,)

Electronic leisure, Ham radio,  
informatics, Hardware and Software,  
gardening and family life.