

# Resume

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Vinay Gupta, DOB: 30MAR1970, Married.

## Work:

- NOV2014- Present:** Business Head MTE Meter Test Equipment AG for (India, Nepal and Bhutan) working with Meter Test Equipment AG for last 28 years in different roles.
- JUL1997-OCT2014:** Technical Support and promotion, MTE Meter Test Equipment AG, Zug, Switzerland for Energy Meter Test Equipment and Transformer Monitoring systems.
- DEC1995-JUL1997:** Manager(R&D) at Accurate Meters Limited, A-2, Sector 10, Noida for development of 1-Phase/3-Phase energy meters. During this period, I designed, developed and implemented.
- JAN1992-NOV1994:** Intern at Computer Science & Engg. Depart, IIT Delhi.

## Work Profile:

- ⇒ Energy Meter Testing systems, including Power Quality Systems, in Electricity Utilities, OEMs and Calibration laboratories.
- ⇒ On-Line Transformer Monitoring systems (DGA, Bushing and PD) in electricity utilities & OEMs.
- ⇒ EVSE (Electric Vehicle Supply Equipment), AC/DC test & calibration systems for OEMs and Utilities for public charging systems.

## Educational Qualifications:

- 2004, August** **MS** (Electrical Engg.), University of California-Irvine, USA (**Dropout**).
- 1995, December** **M. Tech.** Energy Systems Engg. from Indian Institute of Technology-Delhi.
- 1992, August** **Integrated M.Sc. (Electronics)**, University of Delhi.

Best Regards  
Vinay Gupta

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**Mr. Nitin Sopanrao Dhamale**

**Director – Research and Application Development**

*Cee Dee Vacuum Equipment Pvt Ltd*

**Address:** Plot 81-B/16 General Block, Bhosari MIDC, Pune - 411044

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**Email:** nitin@ceedeevacuum.net

**Age:** 53 years

### **Profile Summary**

A seasoned professional with over 24 years of expertise in developing advanced technologies for transformer core drying, oil treatment, and purification systems. I have been instrumental in driving innovation in oil treatment, regeneration, and vacuum technologies, focusing on solutions for the energy sector. My experience spans across transformer manufacturing, pressure vessels (ASME-Coded) for defense applications, and oil purification systems. As a board member in various engineering firms, I have led technology upgrades and played a key role in raising industry standards.

### **Professional Experience**

**Cee Dee Vacuum Equipment Pvt Ltd**

*Board Member*

*Pune, India*

**Ongoing**

#### **Key Contributions:**

- Led R&D efforts in vacuum technology and oil treatment processes.
  - Managed projects related to transformer oil filling, purification, and online regeneration techniques.
  - Focused on innovations in transformer core drying, black diesel treatment, and hot air vacuum ovens for industrial applications.
  - Developed oil dehydration systems without heating and vacuum (OLDS).
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## **Tryvac Engineering & Projects Pvt Ltd**

*Board Member*

*Chakan - Pune, India*

**Ongoing**

### **Key Contributions:**

- Focused on innovations in heavy and specialized fabrication for soya bean oil and dehydration of black diesel treatment for industrial applications.
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## **HPTronics India Pvt Ltd (JV)**

*Board Member*

*Pune, India*

**Ongoing**

### **Key Contributions:**

- Developed cutting-edge converter cooling towers and autoclave manufacturing for defense applications.
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## **Key Achievements**

### **1. Online Degassing System for Power Transformers**

Pioneered the first online transformer regeneration plant prototype in 2002.

### **2. Thermal Reactivation of Fullers Earth (Clay)**

Innovated the thermal reactivation of Fullers Earth for oil treatment in 2005.

### **3. Award Recognition**

Received the Hari Malini Award from the Chamber of Commerce for innovative technology (2007-08).

### **4. First Live Power Transformer Regeneration**

Executed the first online regeneration process on a live power transformer for Sterling Group, Malco-Metur (2006-07).

### **5. Industry Speaker**

Delivered expert talks at CPRI's Oil Treatment Training Institute events (2016-17).

Conducted numerous training programs for oil manufacturers, utilities, transformer manufacturers, and end-users on oil storage and treatment processes.

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## Education

- B.E. in Production Engineering
  - M.E. in Metallurgy
  - Pune University
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## Industry Associations & Committees

- **BIS Committee Member (ETD-03 – Insulating Oil)**  
Contributed to the development of standards for new insulating oil, regeneration of used oils (engine and transformer), and processing of new ester oils (synthetic/natural) and paraffinic & naphthenic oil treatment plants.
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## Affiliations

- Board Member, Cee Dee Vacuum Equipment Pvt Ltd
  - Board Member, Tryvac Engineering & Projects Pvt Ltd
  - Board Member, HPTronics India Pvt Ltd (JV)
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## Expertise Areas

- Transformer Core Drying
  - Transformer Oil Filling under Vacuum & Insulating Oil Purification
  - Online Oil Regeneration Processes
  - Used Engine Oil and Black Diesel Treatment
  - Lube Oil Treatment
  - Development of Hot Air Vacuum Ovens & Autoclaves for Defense Applications
  - Transformer Oil Dehydration without Heating & Vacuum (OLDS)
  - Converter Cooling Tower Development
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## **Conclusion**

My career has afforded me the opportunity to collaborate with prestigious organizations like PGCIL, CPRI, ERDA, NTPC, NHPC, and the defense sector, helping to create transformative industry solutions. I continue to push the boundaries of oil treatment and regeneration technology while actively contributing to industry standards committees.

# Jean-Noël Bérubé, P. Eng. MBA

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## Highlights

- 50+ years of experience in spectroscopy, automation, telecom and industrial instrumentation, with emphasis on international sales and marketing, infrared, fiber optics, GaAs sensors and data processing technologies.
  - Directly involved in taking Bomem as a publicly traded company in 1987 and in selling Bomem and Neoptix to major industry leaders (respectively Hartmann & Braun and Qualitrol).
  - Extensive world-wide travel to the Americas, Europe and all Asia.
  - Experience as Board of Director member (Dicos, HexaVision, InfraVision, Nortech-Fibronic, Bomem, Neoptix and Rugged Monitoring Québec Inc.). One of the 3 founders and main shareholders of Bomem (sold to Hartmann & Braun of Germany in 1990, and now ABB-Bomem). One of the 3 founders of Neoptix. One of the 5 founders of Rugged Monitoring Québec Inc. One of the 5 founders of Rugged Monitoring.
  - Extensive experience in managing worldwide sales networks (both with agents and direct salespeople). Organization and active participation in sales training sessions and customer / user seminars, as well as technical product demonstrations. Exceptional dedication to customer satisfaction and service.
  - Technical expertise in digital and analog electronics (including microprocessors and DSP's), software, machine vision and automation, electro-optics, optics, fiber optics, mechanical design, vacuum technologies, analytical chemistry (gas, liquids and solids), GaAs sensor technologies, project management.
  - Proven writing capacity of sales / business / marketing / operation plans (distribution, competitive analysis, etc.), product users' guides, sales manuals, product brochures and other sales/marketing material.
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## Professional Experience

2018 – Today

**VP Technology, Rugged Monitoring Québec Inc., Québec City**

- 1 of the 5 founders of Rugged Monitoring, 2018. Rugged Monitoring continued the work started at Neoptix and has become today a leader in the supply of GaAs temperature sensors, as well as fluorescence based sensors, for power transformers.
- I have
- With the aim of offering a complete solution to the electrical supply industry, Rugged Monitoring is also developing and selling complete solutions to monitor partial discharge, bushings, switchgears, etc.

2004 – 2016

**VP Technology, Neoptix Inc., Québec City**

- 1 of the 3 founders of Neoptix, 2004. Through the purchase of Nortech-Fibronic assets, Neoptix became quickly one of the worldwide leaders for the development and marketing of GaAs-based temperature sensors, for the R&D and power transformers. The company was sold to Qualitrol in 2010, and thereafter continued an aggressive path to become the leader in temperature sensors for transformer windings.

2002 – 2003

**Director of Sales and Business Development, ABB-Bomem Inc., Québec City**

- Responsible for worldwide sales of FTIR spectrometer systems, through a mixed of direct sales force network, independent reps and the ABB sales network

1999 – 2001

**Director of Marketing and Sales, HexaVision / Adept Technology Canada, Inc., Québec City**

- Adept-Canada develops and markets machine vision software for industrial applications. Customers include mostly OEMs, machine builders, system integrators, in the fields of mechanical assembly, electronics, fiber optics and semiconductor automation machinery.

1997

**President, InfraVision LSI, Inc., Québec City**

- InfraVision specializes in the marketing of uncooled infrared detectors, a MEMS technology that was developed by the local National Optics Institute (now INO), who was also InfraVision's main shareholder.

- 1994 – 1996**      **VP Marketing and Technology**, Nortech Fibronic, Inc., Québec City (Acquired by Exfo Inc. in 2000).
- Nortech manufactures and sells fiber-optic based physical parameter measurement instrumentation (GaAs temperature sensors) and telecom fiber-optic test equipment
  - Responsible for all product line sales, to fulfill the company's strategic plans.
  - This was my first exposure to the GaAs sensing technology, for power transformer applications.
- 1988 – 1994**      **International Sales Manager**, Bomem Inc., Québec City (based in **Chicago** from 1988 to 1992)
- Bomem is a worldwide leader in the design and production of industrial and research FTIR (Fourier Transform InfraRed) spectrometers.
- 1986 – 1988**      **Marketing Director**, Bomem Inc., Québec City
- Introduced an innovative FTIR system for Process Control and Field applications
  - Responsible for sales offices located in Delaware, Montreal and the Netherlands
- 1981 – 1986**      **Engineering Director**, Bomem Inc., Québec City
- Directed engineering projects which successfully developed instruments for laboratories and field uses (FTIR spectrometers), spacecraft, liquid metal analysis, security surveillance, and classified defense applications for NASA, Canadian Defense, US Army and others.
- 1976 – 1983**      **Project Engineer**, Bomem Inc., Québec, City
- Design of various spectrometers, data processing and logger systems.
- 1973 – 1976**      **Defense Scientist**, Defense Research Establishment Valcartier, Québec City
- Developed technology skills as an electro-optical engineer.

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## **Education**

- B.S. in Physics Engineering with Very High Honors, École Polytechnique, University of Montréal, April 1973.
- MBA (Diplôme en Administration). Laval University, Québec City, April 1977.
- Various short courses related to management, infrared detectors, fiber optics, and machine vision.

## **Other Accomplishments**

- Published technical papers related to infrared spectroscopy and temperature sensing in power transformers.
- Holder of 3 USA patents, on infrared spectroscopy and temperature sensing.
- I am an active participant to a few IEEE transformer related standards: IEEE C57.169-2023, PC57.165 and PC57.143.
- Senior Life Member of the IEEE and of the Professional Engineer Association of Québec (OIQ).
- Authored many papers for oral and written presentation in refereed journals and scientific meetings.
- Professor (part time) at Laval University, for undergraduate electrical engineering course (on microprocessors), 1980-1981.