

JEROME GOSSET

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Canadian Citizen & French Citizen

FRACTIONAL R&D-FOCUSED COO

As a fractional R&D-focused COO, I specialize in powering innovation goals at innovative companies so their innovation wins. I bring structure, speed, and focus so their innovation efforts deliver measurable business results.

I typically work with companies between \$10M and \$150M in revenue, either growing fast and needing R&D to scale with them, or established firms going through complex transitions where R&D performance is critical to recovery.

My broad background in science and technology, combined with extensive experience in team leadership and R&D portfolio management, enables me to make a decisive contribution to my clients' growth.

I operate with a core philosophy of **Mutual Help and Shared Prosperity**, ensuring that my work delivers lasting value to both clients and the broader ecosystem. Known for rapid thinking and execution, I bring a strong commitment to goals and milestones, mobilize teams effectively, and balance strategic insight with meticulous attention to detail.

I lead and work by the following core values:

- Cultivate deep and lasting trust
- Lead with clarity and structure
- Give generously with impact
- Relentlessly pursue excellence
- Learn, adapt, and grow continuously

PROFESSIONAL EXPERIENCE

PYONNIER DEVELOPMENT | Montreal, Quebec, Canada 2017 – Present

FOUNDER AND CEO OF PYONNIER

Service company supporting its customers accelerate the use of hydrogen as an energy carrier, as well as other clean fuels, combining our R&D management, Techno-economic analysis and early-stage business development expertise. [Pyonnier](https://pyonnier.com)

Interim / Fractional Management Roles

CDRIN | Matane, Québec 02/2025-02/2026

College level research and tech transfer center. 1.8 M\$ CAD revenues. Affiliated to Cegep de Matane.

INTERIM BOARD MEMBER AND TREASURER

IUMTEK | Orsay, France 02/2024-04/2024

LIBS (Laser-induced breakdown spectroscopy) start-up marketing technology developed by large public R&D center

INTERIM FRACTIONAL BUSINESS DEVELOPER

HY2GEN | Wiesbaden, Germany 2019 - Present

Green hydrogen and e-fuels project developer and producer, incorporated in 2017, raised 200 M€ to fund growth in 2023.

FRACTIONAL BUSINESS DEVELOPER

2019 - 2025

FRACTIONAL DIRECTOR, STRATEGIC INTERFACES & MULTI-STAKEHOLDER PROGRAMS

2025 -Present

TRANSVALOR AMERICAS INC. | Chicago, Illinois, USA 09/2022 – 05/2023

Subsidiary of a French company marketing forging and casting process simulation software for industry.

4 employees (1 Brazil, 2 Texas, 1 Illinois) - \$2.9 M revenues in 2023.

INTERIM FRACTIONAL GENERAL MANAGER

SAF+ INTERNATIONAL | Montreal, Quebec, Canada 10/2019 – 05/2020

Start-up developing a technology for producing synthetic aviation fuel from CO₂.

INTERIM FRACTIONAL CTO

EcoTUNED | Montreal, Quebec, Canada

09/2018 – 04/2019

Start-up marketing an electric traction chain for retrofitting fleet pick-ups.

INTERIM VP R&D

CLIMICALS | Montreal, Quebec, Canada

2017 – Present

FOUNDER AND CEO OF CLIMICALS

Start-up company developing an innovative process for converting sugar into monomer for bio-based products production. [Climicals](#)

HYDRO-QUEBEC | Varennes, Quebec, Canada

2015 – 2017

Producer, transporter, and distributor of electrical power in Quebec with C\$13B in revenue.

SENIOR DIRECTOR –HYDRO-QUEBEC RESEARCH INSTITUTE (IREQ)

Oversaw IREQ operations to improve company's operating performance through technological innovations. Managed project portfolio, hosted multiple annual symposiums, and led commercialization activities with C\$130M budget and led several direct reports.

AREVA FUEL CYCLE BACK-END | Paris, France

2014 – 2015

Division of AREVA providing products and services for managing spent nuclear fuel; C\$2.2B in sales.

VICE PRESIDENT, R&D / INNOVATION

Selected for newly created role to hone R&D strategy and operations. Managed C\$200M budget and reported directly to CEO.

AREVA ENERGY STORAGE | Paris, France

2011 – 2014

Subsidiary of AREVA Group dedicated to hydrogen technology and flow batteries; C\$4.5M in 2014.

PRESIDENT, AREVA ENERGY STORAGE & EXECUTIVE VICE PRESIDENT, AREVA RENEWABLES

AREVA RENEWABLES | Paris, France

2010 – 2011

Renewable energy division providing low-carbon solutions complementing nuclear one; C\$750M in sales.

VICE PRESIDENT, ENGINEERING & INNOVATION

AREVA GROUP | Paris, France

2007 – 2009

World leader for nuclear reactors, fuel, and other services; C\$13.5B in sales.

DEPUTY TO VICE PRESIDENT, RESEARCH AND INNOVATION

MINES PARISTECH | Paris, France

2004 – 2007

Top French engineering school running research with entrepreneurship culture through ARMINES; C\$14M budget.

DIRECTOR, CENTER FOR ENERGY AND PROCESSES

FRENCH ATOMIC ENERGY COMMISSION | Saclay, France

1996 - 2003

Public nuclear energy research agency.

RESEARCH ENGINEER AND LABORATORY MANAGER

BOARD EXPERIENCE

BOARD MEMBER | TRANSVALOR SA and TRANSVALOR AMERICAS Corp. 2021 – 2024

❖ Chairman of TRANSVALOR AMERICAS INC. (~1,8 M C\$ turnover in 2022)

BOARD MEMBER | ARMINES (Not for profit contract-based research organization) 2014 – 2020

BOARD MEMBER | TM4 2015 – 2017

BOARD MEMBER | MIR Innovation 2015 – 2017

BOARD MEMBER | French Society for Chemical Engineering (SFGP) 2007 – 2017

BOARD MEMBER & TREASURER | French Association for Hydrogen and Fuel Cells (AFHYPAC) 2011 – 2015

FOUNDING VICE PRESIDENT & BOARD MEMBER | MEDGRID 2010 – 2015

SURVEILLANCE BOARD MEMBER | McPHY (AREVA Investment — High-Tech Venture) 2012 – 2013

FOUNDING PRESIDENT | AREVA H2 Gen 2014 – 2015

TREASURER & SECRETARY | Centre for Development and Research in Digital Intelligence (CDRIN) 2025 – 2026

NORMATIVE COMMITTEE

EDUCATION

PH.D. IN PLASMA PHYSICS | ÉCOLE POLYTECHNIQUE FRANCE
POST-GRADUATE DEGREE IN THEORETICAL PHYSICS | ÉCOLE NORMALE SUPÉRIEURE PARIS
MASTER OF SCIENCE IN ENGINEERING (EQUIVALENT) | ÉCOLE POLYTECHNIQUE FRANCE
ENGINEERING DEGREE (CORPS DES MINES) | MINES PARISTECH

- ❖ One-year-internship at Renault, preparing the production of a new model

PROFESSIONAL DEVELOPMENT

LEAD method for sales, Value proposition and sales plan development | Halifax Celsius 2023
Inclusive Leadership | MOOC certified by EdX 2017
Intelligent and Efficient Networking | Montreal Chamber of Commerce 2017
Finance Fundamentals for Managers | HEC Executive Education Paris 2010

VOLUNTEER EFFORTS

TREASURER | CALE COMITÉ ACTION LOGEMENT DE L'EST 2024 - Present

- ❖ Structuring the organization's long-term financing

VOLUNTEER | United Way Greater Montreal 2017 – 2024

- ❖ Strategic and operational recommendations to United Way's managers following ~5 appraisal visits per year to community organizations, regularly involved in the cases of organizations presenting difficulties.

GENERAL SECRETARY THEN PRESIDENT | LIGUE DE JUDO DU VAL DE MARNE 2004 - 2010

- ❖ 70 clubs, 11 500 licensees, 200 000 \$ budget.
- ❖ Turned the league around on all fronts (financial, organizational, governance, HR, licensee experience) in 18 months.

EXPERT NETWORKS

BTG BUSINESS TALENT GROUP, CATALANT, FRACTIONAL EXECUTIVE COLLECTIVE, NEEDL, ABOVEBOARD

SCIENTIFIC ACTIVITIES

Throughout my career, I have contributed to scientific research, technical advancements, and academic mentorship in the fields of energy systems, nuclear technology, hydrogen production, and sustainable chemistry. My work includes peer-reviewed publications, technical reports, and leadership in PhD juries.