5N **...**

Perovskite Precursor Products



About 5N+

Enabling performance for more than 25 years



Trusted partner for ultra-high purity specialty semiconductors with 25-year track record



Preferred critical materials supplier to solar power sector for thin-film PV applications



Major supplier with Western industrial-scale presence for a range of applications, enabling secure and transparent supply chains



Sourcing advantage through strategic global footprint and connections with upstream industrial partners

Trusted partner with unique capabilities



Specialized producer of high-purity, highly stoichiometric semiconductor materials and compounds



World-class manufacturing and upstream refining capabilities with proven ability to scale production cost-effectively



Adhere to stringent internationally recognized safety, quality, energy, environment and resource management standards, including toxic materials handling

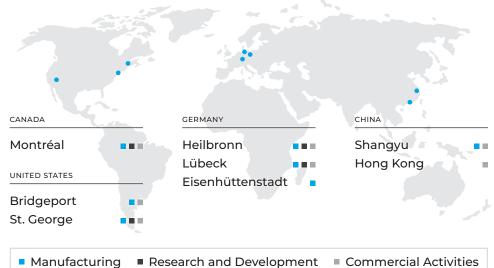


Strong R&D and technical expertise enabling continuous innovation and process improvements



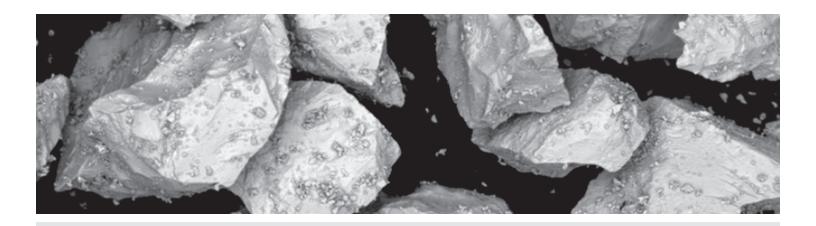
Partnership approach to product development and customization to meet customer specifications

Global Presence



■ Research and Development ■ Commercial Activities

Headquartered in Montréal, Quebec, Canada, 5N+ (TSX: VNP) is a leading global producer of specialty semiconductors and performance materials with more than 800 employees and strategically located R&D, manufacturing operations and commercial centers in North America, Europe and Asia. 5N+ deploys a range of proprietary and proven technologies to develop and manufacture its products which enable various applications in several kev industries, including renewable energy, security, space, pharmaceutical, medical imaging and industrial.



Our Suite of Perovskite Precursors

Stable product quality and rapid execution

Particle size and morphology tailoring capabilities

No minimum quantity requirements

1kg-10kg*

Capacity to produce up to commercial volumes with further scaling upon client request

Lead and Cesium Halides (Pbl₂, PbBr₂, PbCl₂, Csl, CsCl and CsBr)



Purity	4N5+

Particle size Tailored and form factor particle size

Packaging (under inert gas atmosphere)

* Other quantities and packaging options available upon request

Specialized Halides

Additional inorganic and hybrid materials under development and available on request.









Contact Us

5N Plus Inc. 4385 Garand St. Montréal, QC, H4R 2B4 Canada perovskite.materials@5nplus.com

