

FLUXGEN INDUSTRIES LTD.

Project Summary for Airdrie Economic Development

COMPANY OVERVIEW

FluxGen Industries Ltd. is establishing Canada's first agglomerated Submerged Arc Welding (SAW) flux manufacturing facility in Airdrie, Alberta. The company will produce high-quality welding fluxes for pipeline, energy, shipbuilding, and heavy manufacturing sectors across North America.

Industry Context: Canada currently imports 100% of its SAW flux requirements from the United States, China, and Europe. FluxGen will be the first Canadian manufacturer, positioning Airdrie as the anchor city for a future publicly traded industrial company.

LEADERSHIP TEAM

Name	Role	Background
Pratik Jhaveri	Co-Founder & CTO	Former owner of Jhaveri Weld Flux Ltd, publicly listed on Mumbai & Ahmedabad exchanges. Completed engineering degree.
Arpan Patel	Co-Founder & COO	Operations and logistics expert from Loblaw's Canada. Expertise in labor and supply chain management.
Abhishek Patel	Co-Founder & CCO	Sales, marketing, and business development lead. Strong communication skills.
Bhargav Patel	Co-Founder & Compliance	Process and quality specialist. Focus on regulatory compliance and SOPs.

BUSINESS MODEL

Phase 1 (Year 1-2): Pilot line, 500-1,000 tonnes/year, ISO certification

Phase 2 (Year 3-4): Scale to 3,000 tonnes/year, automation, market penetration

Phase 3 (Year 5-7): Export via ArcNova Materials, flux-cored wire integration

Phase 4 (Year 7+): IPO preparation, Canadian monopoly positioning

AIRDRIE SITE REQUIREMENTS

Land	10-15 acres, heavy industrial zoning
Power	2-3 MW (Phase 1), scalable to 8-10 MW
Natural Gas	Medium-pressure line for kilns
Water	Municipal supply, 50-100 m³/day
Rail Access	Preferred (not mandatory)
Highway	Critical for transport

ECONOMIC IMPACT

Metric	Phase 1\ln(Yr 1-2)	Phase 2\ln(Yr 3-4)	Phase 3\ln(Yr 5-7)
Jobs	15-20	40-50	100+
CAPEX	\$3-5M	\$8-12M	\$20-25M
Annual Revenue	\$2-4M	\$10-15M	\$40-60M
Annual Payroll	\$1.2M	\$3M	\$7M+
Property Tax	\$80-120K	\$200-300K	\$500K+

COMPETITIVE ADVANTAGE

- First-Mover: Canada's only domestic SAW flux manufacturer
- Proven Expertise: Leadership with public company experience
- Import Substitution: Eliminate 4-8 week international lead times
- Customization: Tailored formulations for Canadian sectors
- Export Platform: ArcNova Materials for US and India

PROJECT TIMELINE

- **Q4 2024:** EDO engagement, business plan finalization
- **Q1 2025:** Incorporation, seed funding, site identification
- **Q2-Q4 2025:** Site acquisition, engineering, major funding
- **2026:** Construction, permitting, equipment procurement
- **Q2-Q3 2027:** Commissioning, first commercial sales

STRATEGIC VISION

FluxGen Industries is the foundation of **Canada's first publicly traded welding consumables company**. By 2031, Airdrie will be home to an IPO-ready operation with 100+ jobs, \$50M+ revenue, and export to three continents.

This is a 50-year company, starting in Airdrie.