

Company Overview

Ironstone Resources Ltd., a private Alberta-based minerals exploration and development company, is focused on commercial development of its iron and vanadium polymetallic deposit in Clear Hills, Alberta, situated approximately 500kms northwest of Edmonton.

The project features a large 557mt compliant resource, excellent infrastructure, and short shipping times to Asian markets. New process technology has been developed with Hatch to commercialize not only this deposit, but similar deposits worldwide. The Clear Hills iron and vanadium deposit represents one of Canada's premier undeveloped mineral assets.

Clear Hills, Alberta Iron & Vanadium Project

The Clear Hills, Alberta iron and vanadium project area encompasses 190,000 hectares of permits and leases in one of the world's best mining jurisdictions. Ironstone has diamond cored 230 holes in several drilling programs, and has brought the deposit into NI 43-101 compliance.

SRK Consulting (Canada) Ltd. has reported indicated resources of 557mt with an average grade of 33% Fe and 0.20% V₂O₅ in its technical resource report of July 2012. The Clear Hills represents one of the largest compliant resources of vanadium pentoxide in the world (2.45 billion pounds).

Annual production of 2.5 million tonnes high-value hot briquetted iron will be sold to the alternative iron unit and scrap metal markets for use in steelmaking, with vanadium pentoxide targeted to the emerging battery storage market.

Ironstone, in conjunction with HATCH, has developed an enhanced direct reduced iron and segregation technology, originally developed on a lab scale by the Alberta Research Council, for beneficiating ubiquitous oolitic ironstones into iron metalics and extracting by-products such as vanadium pentoxide and other economic minerals.



Objectives

- attract a major international resource company as a development partner
- complete iron process metallurgy in 2013, vanadium in 2014
- construct and operate Clear Hills demonstration pilot plant (2014-15)
- definitive feasibility study targeted in 2015
- secure off-take contracts for iron and vanadium products

Management Team

Barry Caplan
President & CEO

Barry has accumulated over 30 years of experience in resource exploration and development after graduating McGill University with a Geology degree. Barry served as a geologist in both mining and petroleum, leading multi-disciplinary teams from conceptual development through commercialization.

James Masleck
CFO

Jim has over 30 years of financial management, strategic planning, budgeting, project economics, investment capital sourcing and investor relations experience with Exxon Chemicals, Gulf Canada Resources, Dundee Securities and several consulting firms. Jim has held board positions with several publicly traded companies including Gossan Resources, a Canadian-based mining company.

Mika Husband
VP Corp. Development

Mika joined Ironstone in 2013 after working in investment banking at Stifel Nicolaus Canada Inc. in Calgary, Alberta. He has a degree in Economics from Carleton University in Ottawa and has been a charterholder of the CFA Institute since 2005.

公司简介

Ironstone资源有限公司是一家位于阿尔伯塔省的矿物勘探与开发公司，主要集中于其位于阿尔伯塔省Clear Hills（距离Edmonton市西北部500公里左右）的铁、钒多金属矿床的商业化开发。

项目资产特征是：拥有5.57亿吨的兼容资源储量、良好的基础设施建设及距离亚洲市场较短的运输时间。公司已与HATCH共同开发出新的加工技术，不仅可以商业化项目公司自身的矿床资产，而且还可以用于全世界其他矿床资产的商业化开发。Clear Hills铁、钒多金属矿床代表着加拿大其中一个未被开发的矿物资源资产。

Clear Hills, 阿尔伯塔省铁&钒项目

阿尔伯塔省的Clear Hills铁、钒项目区共覆盖了190,000公顷的许可及租赁土地，位于世界上最好的矿业管辖区域之一，Ironstone已在多个钻井项目中共打造了230个金刚石岩心钻孔，并将矿床资源带入到NI 43-101报告阶段。

SRK咨询有限公司（加拿大）2012年7月的技术资源报告中指出：表明资源为5.57亿吨，平均品位是33%的Fe和0.20%的V₂O₅。Clear Hills代表着世界上最大的五氧化二钒兼容资源储量之一（24.5亿磅）。

年产量达250万吨的高质量热压铁团块将被出售给替代铁单位及废金属市场用于炼钢，而五氧化二钒的目标市场是新兴的蓄电池储能市场。

Ironstone与HATCH共同开发了一项提升的直接还原铁及分离技术，最初是在阿尔伯塔省研究院进行实验室范围内得开发，目的是为了将普遍存在的鲕粒岩铁矿石变为铁金属物质并提取副产品，如五氧化二钒和其他有经济效益的矿物质。



目标

- 吸引主要的国际资源公司成为开发伙伴
- 在2013年完成铁的冶金工艺过程，在2014年完成钒的冶金工艺过程
- 建造并运营Clear Hills的示范试验工厂（2014-2015）
- 在2015年完成最终可行性研究
- 取得铁和钒产品的承购包销合同

管理团队

Barry Caplan
董事长 & 首席执行官

在获得了麦吉尔大学的地质学士学位后，Barry在资源勘探与开发领域工作了超过30年的时间。作为矿物开采及石油方面的地质专家，Barry领导多个学科的团队完成了从概念开发到商业化的过程。

James Masleck
首席财务官

Jim在Exxon Chemicals、Gulf Canada Resources、Dundee Securities及其他几个咨询公司 有超过30年的融资管理、战略规划、预算核实、项目经济、投资资本募集和投资者关系处理的相关经验。Jim在多个上市公司担任董事，包括Gossan资源公司，这是一个加拿大的矿业公司。

Mika Husband
商业开发副总裁

Mika 拥有渥太华卡尔顿大学经济学学位，并于2005年成为特许财务分析师。他在2013年加入Ironstone公司之前，曾经为加拿大Stifel Nicolaus公司卡加里分公司工作。