

## 附件 1

# 2016 年艾伯塔省访粤高新科技公司简介

## 1.O.R.科学股份有限公司 (O.R. Science)

O.R. Science, a University of Alberta spin-off company, has created a new wound dressing formulation combining multiple components that result in more effective wound healing and scar reduction.

Novel Nanocrystalline Silver Wound Dressing is a new formulation and improvement on the existing nanocrystalline dressing, Acticoat. Our dressing has the following advantages:

- reduces the formation of scars during healing and promotes functional tissue growth;
- anti-microbial and anti-inflammatory effects; and
- reduces exudate and can be left in place for extended periods of time.

The treatment is based on a discovery by Dr. Robert Burrell, Recipient of the first Governor General's Innovation Award, Manning Award Innovation Award, World Union of Wound Healing Society Lifetime Achievement Award, and Chair of Biomedical Engineering, and Dr. Todd McMullen, Head of Surgical Oncology, Cross Cancer Institute.

Surgical scars remain one the most important focal points for patient concerns following surgery. This new formulation has been tested in the clinic and is in the final stages of development for commercial production.

Wound care is a multibillion dollar industry with a global wound care market estimated at \$8.7 billion in 2013. This includes acute wounds such as surgical and traumatic as well as chronic. Our new formulation can effectively compete directly with traditional wound dressings, antimicrobial dressings, and moist wound dressings giving us a total accessible market of approximately 75 per cent of the total world market in wound care.

**Sector:** Technology, Biotechnology, Cancer Detection, Cancer Therapy, Wound Healing

作为艾伯塔大学一家衍生公司，O.R.科学发明出一种新型伤口敷料配方，融合了多种能更有效愈合伤口和减少疤痕的成分。

新型银纳米晶伤口敷料是一种新配方，对现有纳米晶敷料 Acticoat 进行了改进。我们的敷料具有以下优势：

- 在愈合期间减少疤痕形成，且促进功能性组织生长；
- 具有抗菌和抗炎效果；以及

- 引出渗出液，且能在远处保留较长时间。

该疗法是基于罗伯特·伯勒尔（Robert Burrell）博士和托德·麦克马伦（Todd McMullen）的一项发现。罗伯特是首位获得总督创新奖的人，此外他还获得过曼宁创新奖、世界伤口愈合学会联盟终身成就奖、生物医学工程主席；托德则是癌症研究所肿瘤外科主任。

手术疤痕仍然是病人术后最担心的一个焦点。这项新配方已经接受临床测试，目前正处于商业生产最后的发展阶段。

伤口护理是一个价值数十亿美元的行业，2013 年全球伤口护理市值预计达 87 亿美元。这包括外科和外伤等急性创伤，以及慢性创伤。我们的新配方能够有效与传统伤口敷料、抗菌敷料和湿性伤口敷料进行直接竞争，使我们能够获得全球伤口护理总市场大约 75% 的总份额。

### **融资目标：招商引资**

我们目前正寻求建立一个五五开合资企业，投资者能够带来 1000 万美元的投资，以及区域分销网络和监管部门的批准支持。

### **联系信息**

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## **2.OSG4Life 软胶囊与液体制剂公司 (OSG4Life Softgels and Liquid Dosages)**

OSG4Life SoftGels is a contract formulator, manufacturer and packager of over-the-counter, nutritional and dietary supplements. It executes customers' private label formulations and creates custom products under exacting quality requirements. OSG4Life SoftGels produces softgels and two piece liquid hard-shells, in a very wide variety of sizes and configurations, and packages them to meet customers' requirements.

A Commitment to Strict Manufacturing Standards.

The Food and Drug Administration requires that dietary supplement manufacturers follow Good Manufacturing Practices (GMP) for dietary supplements (21 CFR, part 111). OSG4Life Softgels, however, voluntarily follows the more stringent GMP for pharmaceuticals as the basis for its quality assurance

program, which regulates virtually every aspect of manufacturing, including facility design and maintenance, raw material specification and control, supplier validation, product design and testing, and more. This voluntary adherence to GMP for pharmaceuticals means that OSG4Life Softgels treats nutritional supplements with the same care that goes into the manufacturing over-the-counter products.

**Sector:** Technology, life sciences, Contract Manufacturing, Packaging of Nutritional Dietary Supplements, Softgels and Liquid Dosages.

OSG4Life 软胶囊公司是一家承包非处方药、营养品和膳食补充剂的配制、生产和包装的企业。该公司负责配制客户私有品牌配方，按照严格的质量标准为客户定制产品。OSG4Life 软胶囊公司的产品包括各种大小和外形的软胶囊及两片式水溶性硬胶囊壳，可根据客户要求进行包装。

遵循严格的生产标准

美国食品药品监督管理局规定膳食补充剂生产商必须遵守膳食补充剂生产质量管理规范（联邦法规第 21 条第 111 部分）。而 OSG4Life 软胶囊公司则自愿以更严格的药物生产质量管理规范作为质量保证体系的基础，该规范几乎涵盖了生产的方方面面，包括设备设计与维护、原料规格与控制、供应商验证、产品设计与检测等等。自愿遵守药物生产质量管理规范代表 OSG4Life 软胶囊公司对待膳食补充剂的生产与对待非处方药同样严谨细致。

**商业目标：贸易推广**

- 我们的目标合作方和买方包括补充剂零售商、B2B 平台和类似 MLM avenues 的分销渠道。我们公司目前不出口任何产品，但是我们拥有高质量标准的设备，并且已取得在加拿大和美国生产并分销产品的许可。
- 我们的目标是通过我们的自主品牌或私有品牌推广我们的产品。我们正在寻找合作者分销我们独有的食品标签乳剂和补充剂配方。

**联系信息**

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### **3.ParkPlus 公司 (ParkPlus System)**

The ParkPlus System offers municipal and commercial parking managers with an innovative and proven system for efficient management of parking operations. It is the first application of 'pay-by-plate' technology worldwide. Developed by the Calgary Parking Authority and deployed in Calgary since 2007,

the ParkPlus System is a proven and effective solution for the fully integrated management of parking payment and permits.

The system provides management and enforcement for the full range of parking modes, including on-street, surface lot, parking garage, contract parking, special permits, residential parking permits and event parking through License Plate Recognition (LPR) cameras and software.

The parking 'credential' for each mode of parking is the digitalized record of the vehicle's license plate number. This enables convenient payment through a range of methods, including on-street pay stations, mobile devices or on-line. Parking permits, reserved parking, and long-term contracts can also be secured through a self-serve on-line web portal.

The ParkPlus System is currently deployed and operational in several North American cities, including Calgary, Edmonton, and Saskatoon.

### **Sector:** Technology, ICT, Parking Solution for Smart Cities

ParkPlus 公司可提供城市及商业区停车管理服务，运用创新型的成熟停车系统，打造有效的停车管理模式。ParkPlus 停车系统运用了全球首创的“牌照识别式”付费模式。ParkPlus 停车系统由卡尔加里停车管理局设计研发，2007 年在卡尔加里市投入使用。经实践证实，该系统为停车付费和许可的全面综合管理提供了有效的解决方案。

ParkPlus 停车系统全面覆盖各种停车方式，无论街道、地面停车场、车库、出租车位、特许车位、住宅区还是活动会场，均可通过牌照识别（LPR）摄像头和软件享受停车及管理服务。

每种停车方式都是以车辆牌照号码的数字化记录为依据的。这样可以通过街道收费站、手机设备和互联网等多种方式来实现便捷支付。同时可登录门户网站自主在线办理停车许可、车位预约和长期车位租赁等业务。

ParkPlus 停车系统目前已在卡尔加里、埃德蒙顿、萨斯卡通等多个北美城市中投入使用。

### **商业目标：贸易推广**

- 主要目标客户为市政、私人及多层停车场所有者。二级市场包含开发商、公立机构、医院、机场和大型场馆。
- ParkPlus 停车系统正在北美洲以外的新市场寻求发展。该系统是一种基于云平台的灵活的可扩展工具，可托管在中国/亚洲市场，以符合任何数据完整性验证和离岸托管要求。我公司目前正在努力与潜在客户和当地分销商建立合作关系。

### **联系信息**

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#### 4. Radient 科技有限公司 (Radient Technologies Inc.)

Radient Technologies Inc. extracts natural compounds from a range of biological materials using microwave assisted processing (“MAP™”), a patented technology platform which provides superior customer outcomes in terms of ingredient purity, yield, and cost. From its 20,000 sq. ft. GMP manufacturing plant in Edmonton, Alberta, Radient serves market leaders in industries that include pharmaceutical, food, beverage, natural health, personal care and biofuel markets.

The company works with a number of important multi-national companies in the personal care, food and beverage and natural health markets including the development of superior extracts and the creation of novel extracts and ingredients. The company's technology is fully commercialized, easily scaleable and is the first of its kind in the world at commercial scale.

**Sector:** Technology, extraction technology, Microwave Assisted Processing

Radient 科技有限公司的主营业务为利用微波辅助处理 (“MAP™”) 专利技术平台从各种生物材料中提取天然化合物, 该平台在原料纯度、产量和成本方面均具备较大优势。Radient 公司的生产车间位于艾伯塔省埃德蒙顿市, 占地 2 万平方英尺, 产品符合药品生产质量管理规范。我公司在制药、食品、饮料、天然保健品、个人护理和生物燃料领域均为市场的领导者。

在个人护理、食品、饮料和天然保健品市场, Radient 公司与多家跨国公司在优质提取物生产、新型提取物和原料研发方面建立了合作关系。我公司的技术已全面商业化, 可扩展性强, 在商业规模内属于全球首创。

#### 商业目标: 贸易推广和招商引资

- Radient 公司有意与中国各类型生物公司合作。
- 公司目前正在寻找投资者以助力公司发展计划。现阶段所需融资为 500 万至 1000 万美元。
- 目前的理想投资期限不少于两年。具有重要战略意义的投资者将获得相应的可观经济效益。我公司对亚洲的原料生产商有收购或合作意向。

#### 联系信息

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## 5.天成科技公司 (TC Scientific Inc.)

TC Scientific Inc. (TC) is a chemistry based research company located in Edmonton, Alberta. TC Scientific was founded by a group of experienced, talented chemists in June 2009. After seven years of operation, TC now has 16 full-time Ph.D. chemists – it is one of the private companies in Edmonton and Alberta that hire most amounts of Ph.D. scientists. Each team member has over 10 years of synthetic organic chemistry experience in the areas of drug discovery, organic synthesis and medical chemistry. TC's chemists have developed several clinical trial drug candidates for cancer and for antibiotics.

**Sector:** Technology, R&D, Medical Chemistry

天成科技公司 (TC Scientific Inc.) 是一家化学研究公司，位于加拿大艾伯塔省埃德蒙顿市。天成科技公司由一群经验丰富、才华横溢的化学家创立于 2009 年 6 月。经过七年的运营，天成科技公司现有 16 名全职的博士化学家——它是艾伯塔省埃德蒙顿市雇用最多博士科学家的私营公司之一。每个团队成员都在药物研发、有机合成和医用化学等领域拥有 10 年以上的有机合成化学经验。天成科技的化学家已经研发了多种抗癌和抗生素类的临床试验候选药物。

### 融资目标

- 项目：
  - 抗癌药：临床前和临床研究。寻求 400 万~600 万加元的资金投资。
  - 抗生素：临床前研究。寻求 100 万~200 万加元的资金投资。
- 寻求与医院或制药行业有联系的投资者。曾与若干组织开展合作——为实验室提供服务。

### 联系信息

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## 6.加拿大 TEC 埃德蒙顿科技企业孵化器 (TEC Edmonton)

TEC Edmonton is a business accelerator and incubator, helping to transform technologies into business opportunities. It is joint venture between the University of Alberta and the Edmonton Economic Development Corporation. Because of this corporate structure it has a role as an incubator and accelerator to both academic and non-academic entrepreneurs. It has a unique position in the innovation system to help technology based startups and companies grow their business to a point where they can export their products. TEC Edmonton works with over 400 university researchers, entrepreneurs and companies annually and has a range of programs to meet the needs of this diverse

group, including business development support, entrepreneur training, technology transfer, the global connector program and engagement with financial networks through the TEC Venture Angels partnership.

Over the past five years, 45 per cent of TEC clients have expressed an interest in pursuing international markets, 16 per cent of which have specific interest in Asia. The TEC Global Connector program works across sectors to help these entrepreneurs, investors, and technology based companies discover, analyze, and enter international markets, including China.

**Sector:** Technology, incubation and commercialization

TEC Edmonton 是一家企业加速器和孵化器，致力于帮助企业将技术转化为商业机会。它是艾伯塔大学（University of Alberta）和埃德蒙顿经济发展公司（Edmonton Economic Development Corporation）联合创办的合资企业。由于这种特殊的公司结构，它扮演着学术型和非学术型企业家的孵化器和加速器的角色。它在创新系统中具有得天独厚的地位，可以帮助科技型初创企业和公司将业务发展到可以出口产品的水平。TEC Edmonton 每年与 400 多个大学研究人员、企业家和公司开展合作，并制定了一系列满足不同群体需求的方案，包括业务发展支持、企业家培训、技术转让、全球连通计划（Global Connector Program）、以及通过 TEC 创投天使（TEC Venture Angels）合作伙伴关系参与金融网络。

在过去五年中，45%的 TEC 客户表示有兴趣进军国际市场，其中 16%对亚洲市场特别感兴趣。TEC 全球连通计划通过跨部门工作，帮助这些企业家、投资者和科技型公司发现、分析和进入国际市场——包括中国市场。

### 商业目标

- 帮助艾伯塔大学的研究人员寻找和吸引合作伙伴共同研发技术。
- 帮助艾伯塔省的公司通过合资经营、分销交易或直接销售等方式进入中国市场。
- 为加拿大的公司建立一个中国服务提供商和专业人员网络。
- 建立若干由加拿大初创企业和中国 MBA 学生计划合作开展的联合项目。
- 建立艾伯塔省与中国之间的软着陆平台，为企业进入这两个市场提供便利。

### 联系信息

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## 7. 萝卜家园（前通用家居安全解决方案）(Turnip Homes)

Turnip homes is an automation company that specializes in the home security industry. Our focus is to protect and maintain a high level of customer service Canada-wide with the best security solutions in the market place. What makes us unique is our customer acquisition models and our aggressive growth strategies. Sector: Technology, Home Automation, Home Protection & Monitoring

萝卜家园是一家专门从事于家庭安全行业的自动化公司。我们专注于在整个加拿大保持高水平的客户服务，并在市场上提供最佳安全方案。我们拥有的客户获取模式和积极的增长战略让我们成为您独一无二的选择。

### 融资目标：招商引资

萝卜家园现在整个加拿大扩展业务。计划募资 150 万到 200 万加元。

### 联系信息

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## 8. Zephyr 睡眠科技股份有限公司 (Zephyr Sleep technologies)

Zephyr Sleep Technologies Inc. is a product development company located in Calgary, Alberta that researches, designs, develops, manufactures and distributes innovative and scientifically-validated medical devices and technologies focused on the diagnosis and treatment of certain sleep disorders.

In 2012, Zephyr launched its first product, the MATRx™ titration system. This innovative, leading-edge technology has been instrumental in evolving the sleep medicine industry and improving their confidence in oral appliance therapy (OAT) for obstructive sleep apnea. MATRx is the only validated diagnostic device cleared by the FDA that can predict therapeutic outcome with a custom-fitted oral appliance after a single-night of study in a polysomnographic lab. This remotely-controlled mandibular titration technology is being used by sleep physicians in hundreds of sleep centers across North America to predict OAT response and efficacious target protrusion for the dentist. Recognizing the need for home sleep testing capability, Zephyr is in the process of developing the next generation of MATRx technology, known as MATRx plus.

**Sector:** Technology, innovation, medical device for the diagnosis and treatment of certain sleep disorder.



Zephyr 睡眠科技股份有限公司总部位于艾伯塔省卡尔加里市，是一家研究、设计、开发、生产和分销新型科学有效性医疗设备和技术的产品开发公司，主要针对部分睡眠失调症状的诊断和治疗。

2012 年，Zephyr 发布了首款产品——MATRx 滴定系统。这一创新的行业领先技术对睡眠医疗产业的发展起到了巨大的促进作用，并提升了医生用口腔矫治器治疗睡眠呼吸暂停的信心。MATRx 是唯一经美国食品药品监督管理局认证的有效诊断设备。仅需在多导睡眠实验室进行一晚上的研究，该设备便能借助定制的口腔矫治器来推测治疗结果。这一遥控下颚滴定技术已经广泛运用于北美洲数百家睡眠医疗中心，睡眠医师运用该技术来帮助牙医推测口腔矫治器治疗后的反应及有效目标突出。在意识到家庭睡眠质量测试能力的需求后，Zephyr 正在开发下一代 MATRx 技术，被称为 MATRx plus。

#### 商业目标：贸易推广和招商引资

- 我们理想的合作伙伴需要有医疗行业的从业背景，熟悉中国医疗领域和行业的相关情况，并有接触牙科和睡眠医疗专家的渠道。
- 我们的合作伙伴还需要有向诸如交通部门等政府机构分销产品的能力。
- 项目：
  - 获得中国监管部门对医疗设备的批准
  - 在中国寻找销售和营销伙伴以发布产品
  - 寻求一到三百万加元的资金投资。

#### 联系信息

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## 9. BioRefinex 加拿大公司 (BioRefinex Canada Inc.)

BioRefinex is commercializing its patented technology that uses a thermal hydrolysis process to denature organic waste materials and create high grade organic fertilizers and nutrient feedstock for anaerobic digester biogas production. The BioRefinex technology has been approved by international health and environmental agencies for high-risk disease programs and is patented in major industrial and agricultural countries in the world including China.

After completing years of successful research and development, as well as conducting pilot-scale testing, the company is ready to construct the Lacombe Biorefinery, a first phase commercial-scale facility located in central Alberta. The second phase, to follow in 2017, would comprise a biogas facility used to generate renewable power. At the core of the BioRefinex process is the thermal hydrolysis reactor, which uses high pressure and saturated steam to denature all organic material and destroy pathogens while retaining valuable nutrients. Compared to the alternatives, the BioRefinex process is one of the

most cost effective, safe and environmentally positive processes in the world that has been certified internationally to destroy all disease agents, including BSE agents, in organic risk material such as animal by-products and carcasses.

BioRefinex 正在将其专利技术转化为商品，该技术运用热水解处理技术改变有机废弃物的性质，创造高等级有机肥料和养分原料，从而生产厌氧沼气。BioRefinex 的技术已由国际卫生和环境机构批准加入高危疾病计划，并在世界上（包括中国）主要工业和农业国家被授予专利。

在多年的成功研发并进行了半工业规模试验之后，该公司着手建设 Lacombe 生物炼制项目。该项目是位于艾伯塔省中部的一期商业规模设施。而二期项目将在 2017 年启动，建设用来生产可再生能源的沼气设施。BioRefinex 技术过程的核心是热水解反应器。它使用高压和饱和水蒸气使有机物质变性，破坏病原菌，同时保留了宝贵的养分。与其他方式相比，BioRefinex 过程在世界上成本效率最高且过程安全环保。它能够破坏动物排泄物、尸体此类动物副产品的所有病原体（如疯牛病病原体），并且已经获得国际认证。

#### **Sector:**

#### **融资目标：招商引资**

- BioRefinex 正在寻求 1,500 万加元私人债务和（或）股权投资，结合政府补助金和贷款资金，建设 Lacombe 生物炼制项目。公司拥有 12 英亩、获得充分许可的建筑场地，并在资金到位后约 4 个月即可开工。
- BioRefinex 的理想金融伙伴能够带来额外的战略利益，如为在中国建设进一步设施提供便利。而该项技术将为中国带来可观的卫生和环境收益。

#### **联系信息**

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## **10. Earthmaster 环境战略公司(Earthmaster Environmental Strategies Inc.)**

Earthmaster has been in business since 1998 and is a turn-key environmental service provider for the management of contaminated sites. Earthmaster is well known for the development and implementation of practical and cost effective procedures associated with contaminated site assessment, remediation and reclamation programs in the industrial, commercial, and oil and gas industries. Earthmaster has developed an innovative phytoremediation technology which uses plants and plant growth promoting bacteria to remediate soils contaminated with hydrocarbon, salt and

metals. It is scientifically and commercially proven and is adaptable to site specific conditions and characteristics. Earthmaster's services also include environmental assessment and remediation (soil, water, groundwater), facility decommissioning, liability and environmental impact assessments, auditing, monitoring, environmental risk management, aquatic/soil and groundwater studies, and resource management. Earthmaster employs a wide range of professionals including chemists, soil scientists, biologists, agronomists, and engineers. Our professional staff have considerable environmental consulting experience in Canada and internationally. Earthmaster can provide a combination of experience, credibility and personal service to assist clients and resolve the most demanding and complex environmental issues.

### **Sector:**Environment, Consulting

Earthmaster 环境战略公司成立于 1998 年，是一家为各污染地提供环境管理服务的承包商。本公司在工业、商业、石油天然气等行业开展污染场所评估、修复与重建等众多可行性高的低成本项目，并因此而享有盛誉。本公司研发的植物修复技术，利用植物生产衍生的微生物等，对受碳氢化合物、盐、金属等污染的场所进行修复。这一技术在商业上和科技层面都得到了验证，并能根据场所的具体情况与特点进行调整。本公司提供的其他服务还包括：环境评估与修复（土壤，水，地下水等），设施关闭、可依赖性及环境影响力评估，审计，监管，环境风险管理，水体/土壤与地下水研究，资源管理等。公司拥有大量的专业技术人员，包括有化学家、土壤科学家、生物学家、土壤学家、工程师等。他们在加拿大和国际上都拥有丰富的环境咨询经验。我们能为合作方提供丰富的经验，极高的信任度和体贴的个性化服务，从而解决顺利解决各种复杂的、严苛的环境难题。

### **商业目标：贸易推广**

- 我们目前出口环境评估与修复服务，以及植物修复技术。
- 我们服务的对象是各商业公司、工业企业、石油天然气公司等。我们需要的买方/合作伙伴应具备供评估、管理与最终修复的污染地（如碳氢化合物污染，盐污染，金属污染，有机溶剂污染 / 无机物污染）。
- 公司计划在中国/亚洲范围内，同需要本公司专业技术手段（如规划、管理、评估与修复等），并打算使用植物修复技术的公司建立长期的合作关系。

### **联系信息**

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## 11. Ernco Environmental Drilling & Coring Inc.

**Sector:** Environment

## 12. 纳尔逊环境修复有限公司 (NELSON Environmental Remediation Ltd.)

Nelson Environmental Remediation specializes in remediation of contaminated soil and has been providing mobile thermal desorption soil remediation services for over 22 years. Thermal desorption is an innovative, sustainable ex-situ process of remediating hydrocarbon impacted oils, sediments and sludge on site, thus eliminating liability associated with transportation. The thermal system preserves the site soil on site for future beneficial re-use. Nelson's experienced staff, robust equipment and creative solutions continue to meet the needs of the growing remediation and reclamation market.

Nelson is the only Canadian company successfully delivering onsite thermal desorption of organic contaminants for large-scale site cleanups. The company has remediated millions of tonnes of soil across many time zones on sites from the Arctic to the tropics and has delivered the service in any climate including the United States, Europe and Africa.

**Sector:** Environment, Soil Remediation

纳尔逊环境修复专注于受污染土壤的修复，并在 22 年多来持续提供移动热解吸土壤修复服务。热解吸是在非原位修复受碳氢化合物影响石油、沉积物和原位污泥的一种创新性、可持续的过程，目的是消除运输带来的不利因素。这一热力系统使现场土壤保存在原位，以便未来再次获得有益使用。纳尔逊经验丰富的员工、强大的设备以及富有创意的解决方案，将继续满足日益壮大的修复和农垦市场的需求。

纳尔逊是加拿大唯一一家成功实现有机污染物原位热解吸的公司，从而完成大规模现场清理。该公司已经完成从北极到热带等各时区上百万吨土壤的原位修复工作，并已在包括美国、欧洲和非洲在内的各气候区提供过服务。

**商业目标: 贸易推广**

- 纳尔逊正寻求中国战略合作伙伴或合资企业，它们在市场上已经做好准备，拥有客户或监管人脉，而且需要我们的专业知识和技术进行场地修复。
- 潜在客户可以是油气生产商、管道、石化和采矿公用事业、制造商、环境工程，以及其他寻求达到监管要求的公司或政府机构，还有对受污染旧土地进行价值最大化修复和利用、同时控制好有害负债的棕地房产开发商。

- 当前正处于通过合资企业向中国和亚洲出口服务的过程。

#### 联系信息

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### 13. 油砂环境开发与服务有限公司 (Oil Sands Environmental Development & Services Inc. (OSEEDS) )

Oil Sands Environmental Development & Services Inc. (OSEEDS) is an incorporated Alberta company focusing on technological innovations in oil sands tailings processing. We have developed:

- methods for treating oily sludge and remedying oil-contaminated soils;
- a series of polymer flocculants and methods for tailings fast dewatering and fine fluid tailings volume reduction; and
- chemicals used in hydraulic fracking flow back water treatment to turn 90 per cent waste fluid into reusable water.

We have also developed a unique instrument, Induction Timer, which measures induction time, a key parameter in all kinds of flotation processing. The Induction Timer has drawn attention from universities and research institutions. We are upgrading the instrument to a multifunctional instrument that contains add-on functions like measurements of contact angles, dynamic advancing and receding contact angles, surface/interfacial tension/energy and interfacial rheology. These are all important factors controlling flotation separation efficiencies. It is a powerful tool for flotation research and development in mineral processing, oil sands processing, pulp and mill processing and wastewater treatment.

**Sector:** Environment, Oil & Gas, Sustainable Development of Oilsand

油砂环境开发与服务有限公司 (OSEEDS) 是一家位于加拿大艾伯塔省的专注于油砂尾矿处理技术创新的股份有限公司。公司研发成果:

- 含油污泥处理与石油污染土壤修复方法
- 一系列高分子絮凝剂, 尾矿快速脱水及细粒尾矿减量方法; 以及
- 液压破碎法回流水处理所用化学药品, 该方法可实现 90% 废液的重复利用。

我公司还研发出一种专用仪器，诱导计时器，可测量浮选法中的关键参数——诱导时间。这种诱导计时器引起了多所大学和研究机构的广泛关注。我公司正在对该仪器进行升级，升级后将实现更多附加功能，其中包括接触角测量，接触角动态前进与后退，表面/界面张力，表面/界面能，以及界面流变。以上均为浮选分离效率的重要影响因素。该仪器对浮选法研究和发展在矿物加工工程，油砂处理，制浆造纸工艺和废液处理上均可发挥重要作用。

#### 商业目标：贸易推广

- 在本次中国行中，我们将我们的产品诱导计时器出口至从事浮选分离研究与发展的大大学、研究机构和工业实验室。
- 我们正在寻找负责中国市场的合适仪器经销商。
- Introduce OSEEDS unique technologies for 1) hydrocarbon recovery from oilsand ore, oily sludge and oil contaminated soil, 2) flowback water treatment, 3) oil spills cleaning and oil contaminated soil remediation, and 4) consolidation and reclamation of various industrial tailings ponds; Build project collaboration relationships in China.

#### 联系信息

##### 顾国兴 (GuoxingGu) 博士总裁

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#### 14.SciTech 化学工程有限公司 (SciTech Engineered Chemicals Inc.)

Sci-Tech Engineered Chemicals Inc. is a Canada-based research and development chemical manufacturer, formulating over 250 different chemical products. Sci-Tech specializes in environmental chemistry for industrial, commercial and retail markets. With 15 years of experience in oilfield operations, shipping, mining, forestry, agriculture, commercial and retail environments, Sci-Tech has developed and licensed numerous green/environmental chemical solutions in North America and Asia, providing innovative answers to many of today's chemical problems.

**Sector:** Environment, Export, Green Chemical for the oil industry

SciTech 化学工程有限公司是一家加拿大研发型化工企业，生产的化工产品超过 250 种。SciTech 公司专攻工业、商业和零售业市场的环境化学领域。公司在油田作业、海运、矿业、林业、农业、商业和零售业环境领域拥有 15 年行业经验，在北美洲和亚洲提供并认证了多项绿色/环境化学解决方案，针对当今众多化学问题给出了富有创新性的解答。

#### 商业目标：贸易推广

- SciTech 化学工程有限公司希望在中国寻找商业合作伙伴，协助公司将其绿色化学产品分销至工业、商业和零售业市场。公司通过美国保险商试验所认证的绿色化学产品将中国市场的环  
境化学风潮，该产品化学性能优良，用户友好度高，无废物污染。
- 目标商业合作伙伴需在中国拥有包装和分销网络。
- 我们正在试图取得经过实际检验且具备适当认证和证明的高性能环境化学产品。我们希望通过海运将高纯度散装化学品销往中国进行包装和分销。

### 联系信息

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## 15.Scorpion 环保解决方案: Vitalus 技术公司 (**Scorpion Containment Solutions: Vitalus Technologies**)

Established in 2006, Scorpion Containment Solutions is Western Canada's fastest growing supplier and installer of high quality geosynthetic products with over 80 years combined industry experience. We exist to protect the environment from natural and man-made contamination, and approach this with putting our communities first.

In 2015, Vitalus Technologies was created as a subsidiary company under Scorpion Containment Solutions, striving to diversify the energy mix through clean technologies that offer sustainable and economical alternatives to power production, land filling, incineration, water purification, traditional fuels and waste diversion.

The priority project at hand is our Ultimate Gasification System, a modular waste management system that brings forward the following advantages:

- accepts nearly all waste materials;
- zero-emission gasification;
- produces high-value outputs;
- easily deployable;
- handles municipal volumes; and
- leaves zero waste to landfill.

We realize that environmental protection is a top priority in China, and believe that we could help meet their needs.

**Sector:** Environment, geo-synthetic products, modular waste management system for municipalities



Scorpion 环保解决方案成立于 2006 年，是加拿大西部地区发展最快的优质土工合成材料供应商和安装服务提供商，拥有超过 80 年的行业从业经验。我公司秉承以社区为先的理念，致力于保护环境免受自然和人为污染的影响。

2015 年，Vitalus 技术公司作为 Scorpion 环保解决方案的子公司正式成立，力图运用清洁技术实现能源结构多样化，在电力生产、垃圾填埋与焚化、水质净化、传统燃料和废物转化等领域提供资源节约型可持续替代方案。

公司目前的重点项目终极气化系统，是一种模块化废物管理系统，具备如下优势：

- 适用于绝大多数废物类型；
- 实现零排放气化；
- 高产值；
- 配置简易；
- 可处理废物量为城市产出量级；以及
- 废弃物零填埋。

我们深知环境保护为中国之当务之急，我们相信可以成为中国环保事业的助力。

#### **商业目标：贸易推广和招商引资**

- 目标购买方/合作伙伴为市政府、废物产出者与管理者。
- 我们正在寻找投资以启动艾伯特省和中国废物管理中心建设，每个管理中心预估投资额为 3000 万美元。
- 目标投资者需有志于环保事业且与潜在原料供应渠道有密切联系。

#### **联系信息**

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## **16.加拿大 Solstice 公司(Solstice Canada)**

Solstice Canada Corp. (Solstice) is a leader in environmental consulting, providing services for industrial, government, and non-government organizations in a variety of sectors.

In our 14 years of operation, we have lead a variety of projects including natural resource inventories (soils, vegetation, wildlife), construction planning, contamination assessment, remediation planning and



management, soil and vegetation restoration, regulatory permitting, policy development and environmental liability management services. Our customized services and products are designed to allow our clients to understand, manage and reduce their environmental liability, and to support industry and communities to develop and operate in an environmentally sustainable way.

Our comprehensive offerings and technological innovations give us a leading edge and demonstrate our ongoing commitment to excellence in the field. We are a company of innovators who approach our products and services with a strong focus on efficiency, quality and safety. Our team includes experts in soils, forestry, wildlife, wetland and vegetation ecology, conservation and reclamation planning, and environmental policy. Our geographic technology group provides analytical services and solutions which integrate GPS, GIS, remote-sensing, LiDAR and web-based technologies so our clients can create, manage, visualize and share mapped products.

**Sector:** Environment, environmental consultancy and services

加拿大 Solstice 公司是环境咨询领域的领军者，致力于为各行业的工业组织、政府组织和非政府组织提供服务。

在 14 年的运营中，我们领导了一系列的项目，其中包括自然资源盘查（土壤、植被、野生动植物）、建设规划、污染评估、整改规划和管理、土壤和植被恢复、监管许可、政策制定和环境责任管理服务等。我们的定制服务和产品旨在让客户能够理解、管理和降低其环境责任，以及支持行业和社区以环境可持续的方式发展和运营。

我们全面的产品和创新的技术为我们带来了领先优势，并展现了我们对铸就行业卓越品牌的孜孜追求。我们是一家勇于创新的公司，我们对产品和服务的关注主要聚焦于效率、质量和安全。我们的团队包括土壤、林业、野生动植物、湿地和植被生态学、保护和复垦规划以及环境政策等领域的专家。我们的地理技术团队能够提供集 GPS、GIS、遥感、LiDAR 和基于网络的技术于一体的分析服务和解决方案，使我们的客户能够创建和管理测绘产品，并实现有关产品的可视化和共享。

**商业目标：贸易推广**

- 寻找一个为中国/亚洲提供环境服务的本地战略合作伙伴
- 理想的行业/买家/合作伙伴包括：自然资源、能源、石油和天然气、矿业、市政、交通和房地产开发商。

**联系信息**

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## 17. Trium 环境公司 (TRIUM Environmental Inc.)

TRIUM is the premier provider for in-situ and ex-situ chemical and physical remediation services. Our ChemOx® value position is based on turn-key chemical and thermal, soil and groundwater remediation approaches that incorporate the aspects of knowledge based consultancy with the on-site remediation process execution of a service based organization. This “hybrid” approach is unique to TRIUM and allows us to work equally and fairly with industry, government, consultancies and contractors to deliver unique remediation expertise and realize closure to environmental contamination issues. TRIUM’s scope of services extends across Western Canada and through partnerships in South Korea.

**Sector:**Environment, Soil and Groundwater Remediation

TRIUM 是一家著名的原位和异地化学物理修复服务提供商。我们的 ChemOx®价值定位是以整套的化学和热学、土壤和地下水修复方法为基础，这些方法能够将知识型咨询服务的方方面面与服务型组织的现场修复流程执行相结合。这种“混合式”方法是 TRIUM 独有的方法，它使我们能够公正平等地与行业、政府、咨询公司和承包商合作，提供独特的专业修复知识，解决各种环境污染问题。TRIUM 的服务范围遍及加拿大整个西部地区，并通过合作伙伴关系进驻韩国。

### 商业目标：贸易推广

- 我们希望将产品销往环境责任管理和修复市场。乐意承担监管和环境责任的环境工程咨询公司 and 最终用户（各行业和政府）都是我们的理想买家和合作伙伴。
- 我们正在寻求技术转让（如授权许可）和合资经营。

### 联系信息

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