Integrated Resource Management

Maximizing value while safeguarding the environment has never been more important or difficult.

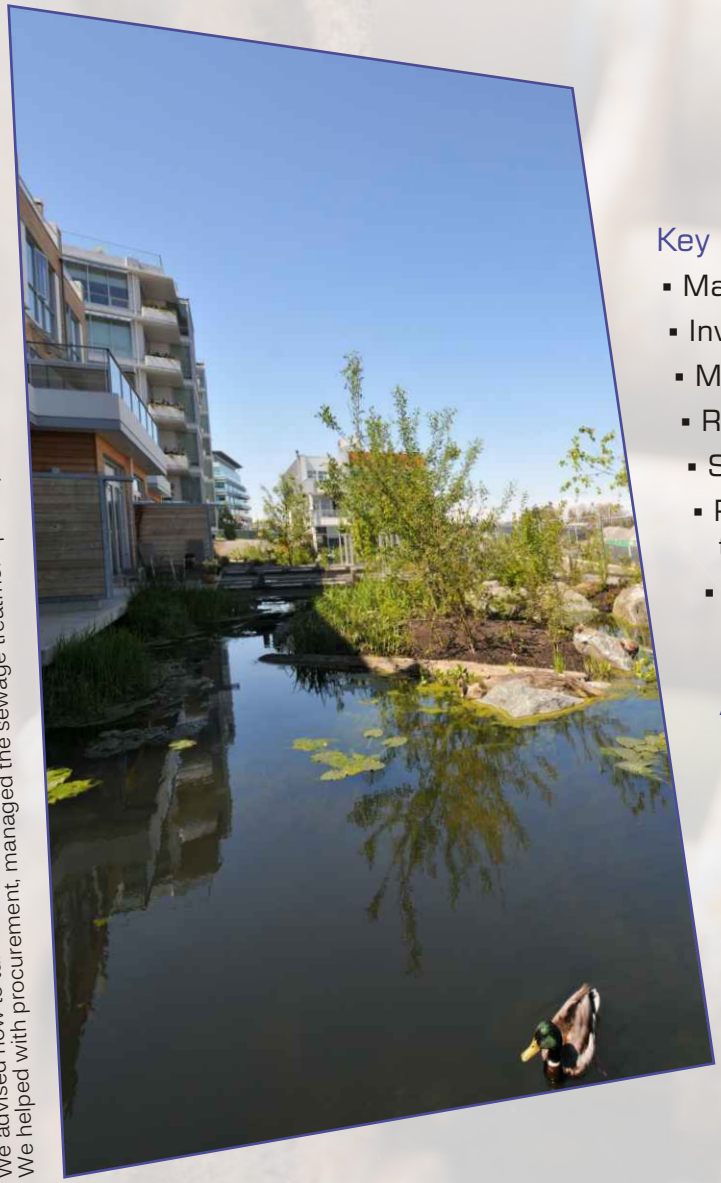
IRM makes money and the environment make sense. The benefit is huge.

pivotal
integrated resource management

Valuable Solutions

IRM optimizes value by linking environmental choices with financial value, to the benefit of both. Used by government, industry, developers, investors and owners, it quickly helps choose and pursue the best choices. The result is an optimized, responsive and justifiable plan that makes both financial and environmental sense; and the difference IRM can make is potentially huge.

IRM is being pursued or has been implemented to: turn unused, contaminated sites into valuable, award-winning developments; identify how to avoid $655m in waste management costs; identify how to achieve Net Zero while reducing costs and improving profit; and exceed GHG targets while sequestering carbon. In every case, traditional analyses and approaches had failed for these projects.



Former contaminated waterfront site, Victoria, BC. Awarded by the United Nations.
We advised how to turn the contaminated site into a viable project that maximized value.
We helped with procurement, managed the sewage treatment plant (shown) & gasifier operations.

Key Aspects

- Maximize financial & environmental value
- Investment-ready life cycle valuation
- Mitigate, manage and minimize risk
- Reduce GHGs, sequester carbon
- Substantial contributor to Net Zero
- Reduce or eliminate liquid/solid wastes, address toxins & contaminants
- Create local jobs, stimulate economic development

Applications

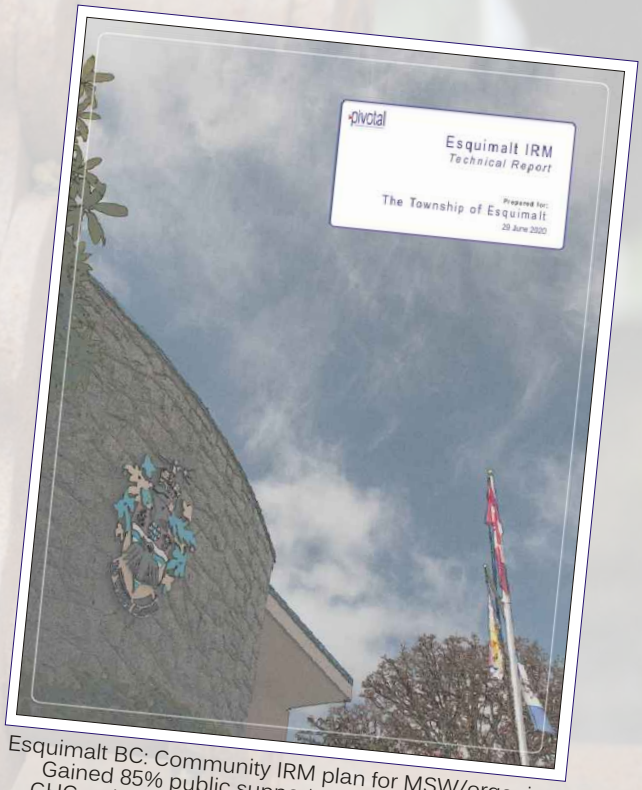
- Real estate development & investments
- Infrastructure
- Net Zero
- Liquid and solid waste
- Contamination & waste mitigation
- Feasibility & viability analyses & strategies
- Life cycle costing (financial & environmental)
- GHG & carbon tax/credit analysis
- Procurement advisory, management, implementation & support

Advantages

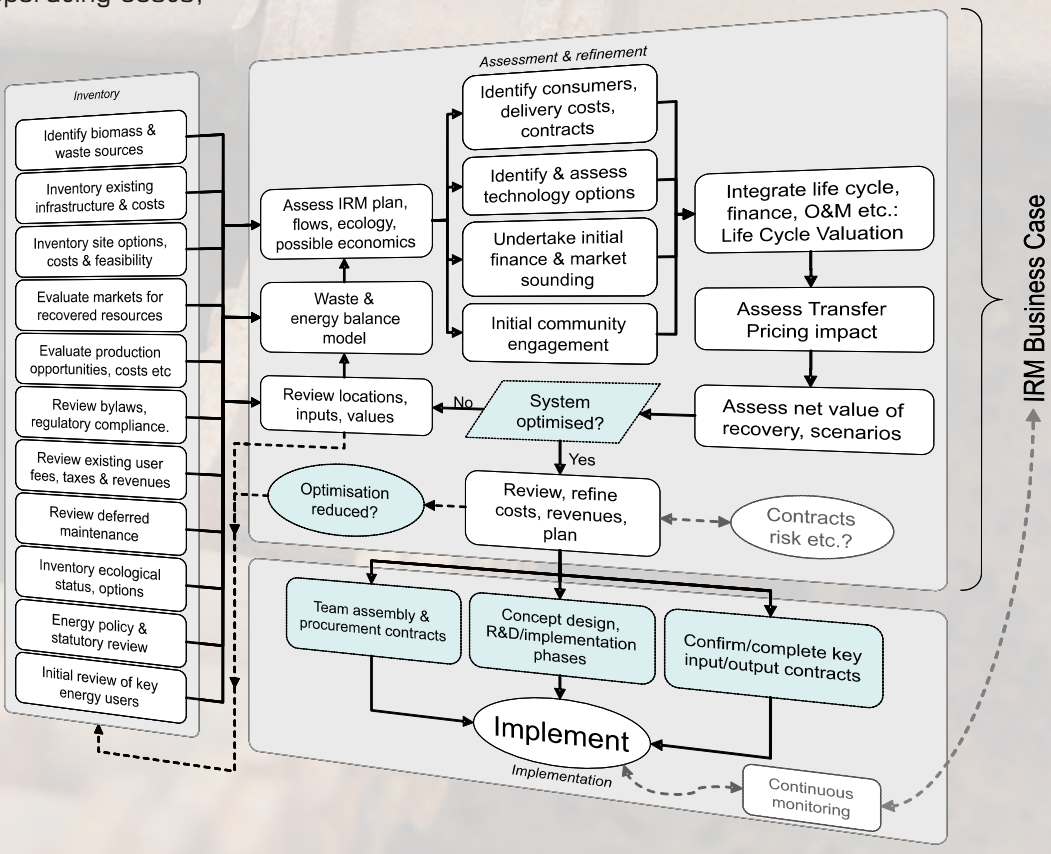
At its core, IRM optimizes life cycle value. Used mainly for infrastructure and project assessment, IRM often starts as a feasibility study and business case, for example to identify how best to extract value from biomass & waste:

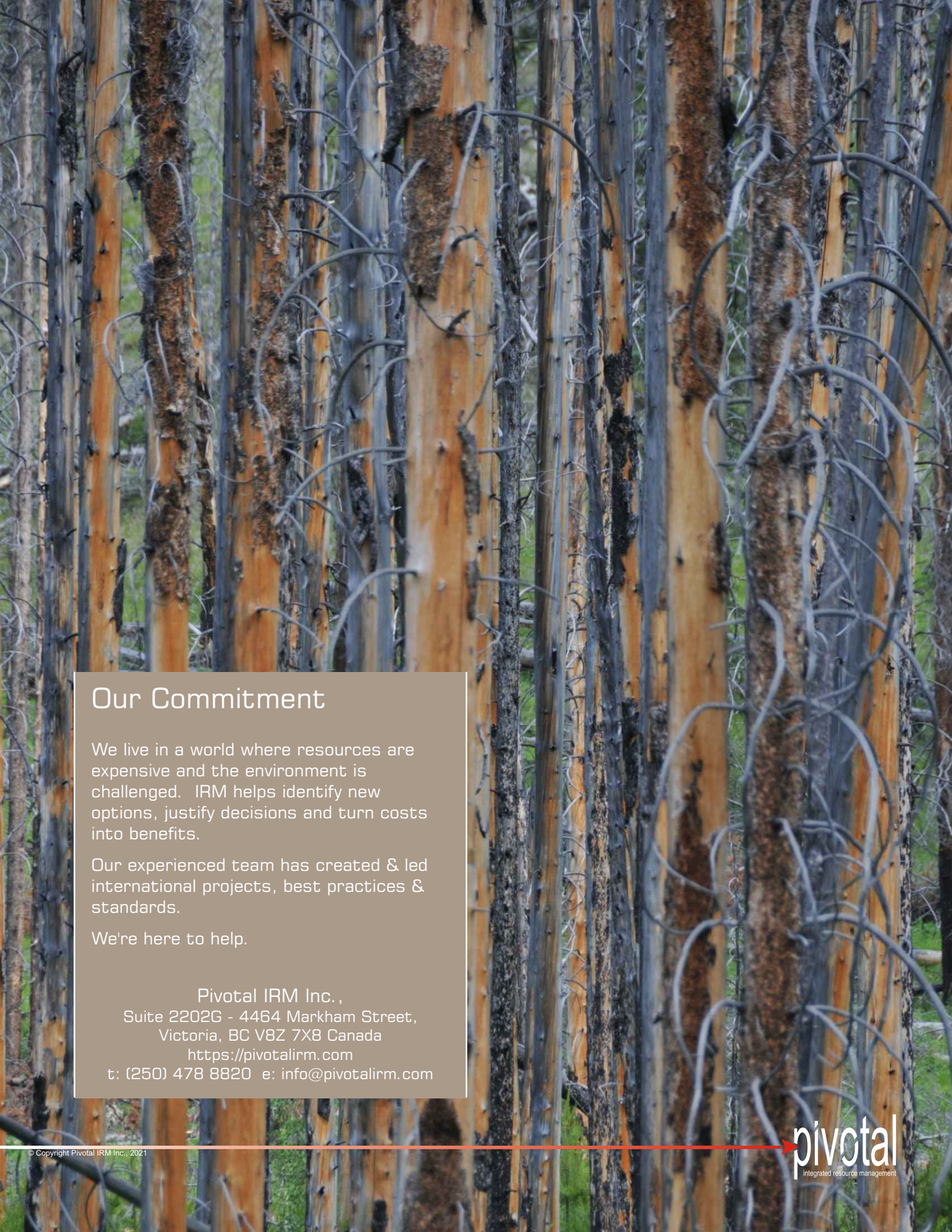
- Turn wood, waste and other biomass into products. Recovered resources generate a sterile high value biochar soil amendment, heating, lighting and cooling homes, businesses and communities.
- Maximizes recycling, reuse & diversion, reducing land use substantially, eliminating odours and leachate, turning contaminants into beneficial, usable & valuable products.
- Reduce trucking and other operating costs, improving efficiency & lowering costs. Generate local jobs & stimulate the economy.
- Phase systems and expand/adapt as, when and where needed, minimizing costs & risk.
- Reduce GHGs and sequester carbon at no extra cost. Meet & exceed GHG reduction goals & targets.
- Enables flexible procurement. Potentially avoid or reduce capital costs and debt.

An optimized IRM approach can result in greater efficiency, higher energy yield, improved recycling, less waste, lower cost, reduced GHGs, local energy generation and jobs.



Esquimalt BC: Community IRM plan for MSW/organics. Gained 85% public support, expected to exceed GHG reduction targets with net taxpayer dividend.





Our Commitment

We live in a world where resources are expensive and the environment is challenged. IRM helps identify new options, justify decisions and turn costs into benefits.

Our experienced team has created & led international projects, best practices & standards.

We're here to help.

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