

Sixth Element is a “boutique” consulting firm specializing in concept planning, start-ups, and early-stage companies in the bioeconomy that do not have the senior management depth or experience. We provide C-level consulting services for [inventors](#), [entrepreneurs](#), [investors](#), and [public sector agencies](#).

Dr. Kutney, Ph.D. in chemistry, has two decades of executive experience with global corporations and entrepreneurial enterprises in the forest bioeconomy. He brings the innovation of research and technology development, the financial discipline of big business, and the spirit of entrepreneurship to start-ups and early-stage companies. Consulting services include: include *pro forma* design and analysis, feasibility studies and business plans, technology/venture vetting and audits (see [Projects](#) for recent studies). Our focus sectors are [emerging biofuels](#) and [Indigenous bioeconomy](#) ventures in the forestry sector, including lumber, logging and bioenergy.

### Forest Bioeconomy

- Prepared business plans, feasibility studies and *pro forma* design for Indigenous bioenergy venture in Canada
- Prepared business plans, feasibility studies and *pro forma* design for Indigenous wood pellet venture in Canada
- Prepared business plans, feasibility studies and *pro forma* design for Indigenous logging ventures in Canada
- Prepared business plans, feasibility studies and *pro forma* design for Indigenous lumber ventures in Canada
- Mentored and edited the business plans for a biomass pellet venture in the U.S.
- Prepared a study on the commercial status of wood-to-fuel technologies for a European client
- Audited the commercial preparedness of an emerging technology venture for an IPO in Canada
- Chairman of the expert panel on international standards for solid recovered fuels (SRF) for ISO ([TC 300](#))
- Member of the expert panel on international standards for solid biofuels (wood/biomass pellets, torrefied pellets and biochar briquettes) for ISO ([TC 238](#))
- Chairman of the expert panel on international standards for solid recovered fuels for ISO ([TC 300](#))
- Member of the expert panel on Canadian standards for solid biofuels for CSA
- Executive Vice President, Director of Emerging Technologies and lead consultant in forestry bioenergy for the world’s premier bioeconomy consulting group ([Lee Enterprises Consulting](#))
- Director of Biochar Ontario
- Forest products research manager for an international corporation (ICI Canada – CIL)
- Executive of a biomass processing business in Canada
- Executive of a bioproducts/bioenergy business of a major forest products company (Tembec) in Canada

### Climate Change

- Authored the peer-reviewed book [Carbon Politics and the Failure of the Kyoto Protocol](#), which examines the policy challenges for addressing climate change
- Adjunct Professor & Part-time Instructor fourth-year/graduate course on Climate Change, University of Northern British Columbia – Environmental Science

### Entrepreneurship and New Ventures

- Managing Director of own consulting venture
- President of an emerging-technology venture
- Chief Operating Officer with a new-technology venture
- Approved consultant with the Business Development Bank of Canada ([BDC, Entrepreneurs first](#))
- [MBA mentor](#) at the University of Ottawa
- Entrepreneur mentor with [Invest Ottawa](#)