

John Harrison, B.Sc. B.Ec. FCPA
Science and Consulting Resume

Objective Improved sustainability.

Experience 1999 – present Managing Director TecEco Hobart

Sustainability Crusader

I am best known for my work in materials science and the invention of Tec, Eco and Enviro-Cements which have attracted significant global interest because of their sustainability. I have been a keynote speaker at many conferences, am involved with many students and am committed to finding ways of "materially" improving the sustainability of the built environment. I am recognised as one of the better concrete technologists in the world and have a unique view of the material tempered by my understanding of geochemistry. I have not only made concrete a much more sustainable material. I have fixed most of the problems relating to its basic chemistry.

Experience 1999 – present TecEco Hobart

Consultant

I have consulted on materials and materials in design for a number of leading edge sustainable structures including the low carbon network building "Earthship Brighton" in the UK, materials for Ultrapanel Pty Ltd (part of the Selkirk group) grouts, mortars, renders and premix concrete for Zenith Constructions, grouts for the Australian Mud company, concrete blocks for several block manufacturers and many others. I am a named consultant on the Brookfield Multiplex Barangaroo project application and as former Chair of AASMIC I have actively promoted more sustainable practices.

1978 – present Hobart

Writer

I have written a chapter in each of two published books

Harrison, J. (2006). Sustainable Materials for the Built Environment. Advanced Civil Infrastructure Materials. H. C. Wu, CRC - Woodfield Publishing: 271 - 338.

Harrison, J. (2006). TecEco. Concrete Mix Design, Quality Control and Specification. K. W. Day, Spon & Routlage.

Along with many other conference and journal papers, many of which are listed at www.tececo.com

1978 - present Self employed Accountant/Consultant
Hobart

Owner/Manager

I started my consulting and accounting career as a consultant to ICI (Tioxide Ltd.) in Burnie, Tasmania. Over the years I have been able to build up a substantial practice as an accountant and consultant with over 3000 clients and four – five staff staff. I have established a number of companies, trusts, superannuation funds etc. for clients, and do annual tax and secretarial work as well as consulting and financial planning.

1978 – present Self employed Hobart

Inventor/Director/Owner/Manager

I have owned a number of other business interests including a computer business (software¹ and hardware) subdivision, nursery precast concrete business and consulting business specialising in obtaining grants (still operating).

My current principle interest is sustainable technologies.

1977 to 1978 Self employed Melbourne

Inventor/Director/Manager

I had a share in a pharmaceutical manufacturing business.

At the same time and for a while later I owned and operated the ferry "PS Saona" on the Yarra River.

1976 to 1977 Nicholls, North & Nicholls. Christchurch, N.Z.

Manager

I was the manager of the accounting, secretarial and taxation divisions, and undertook the audit of several large unions.

The first EDP system for the firm was installed by me.

1975 to 1976 Nelson Wheeler. Melbourne

Accounting Senior

Highlights of my period with Nelson Wheeler included writing that firms standard manual. Another interesting position I held for the firm at a young age was as temporary accountant at De Zurich Valves (Aust.) Pty. Ltd.

1974 to 1975 Peat, Marwick, Mitchell & Co. Melbourne

Accounting Senior

I was a senior in charge of several clients. I also gained experience

¹ Hermes Library system, Taxpac Tax Preparation Software and GST Journal.

doing managerial work with Great Boulder Gold Mines NL and secretarial experience preparing the firms standard accounts reference manual.

1973 Wise Lord & Ferguson Hobart

Accounting Clerk

Whilst at Wise Lord & Ferguson I learnt the basics of tax and accounting. At the same time I completed a bachelor of economics degree at the University of Tasmania. (See Education).

I also prepared a feasibility study on skiing at Mt Rufus, a report which is still referred to as relevant today

Education 1993 University of Tasmania Hobart

Part Completed Masters in Economics 1993

I went back to university part time for a year and studied Tax and Fiscal Policy III (Cr) and Labour Economics (pass). A good result given that I was still running all my other businesses. I have not continued as nobody in the department was interested in basic support income theory which was something I was very interested in at the time.

1973 University of Tasmania Hobart

Bachelor of Economics

Whilst working at Wise Lord and Ferguson I completed my economics degree with majors in EDP, commercial law, managerial and financial accounting.

1971 University of Tasmania Hobart

Bachelor of Science

I completed a bachelor of science degree with a majors in geology and chemistry and sub majors in botany, zoology and physical chemistry.

1958 – 66 Launceston Grammar Launceston

Skills & Interests

I am a highly and multi skilled person. I pride myself in my ability to think laterally and have been able to master most things I have turned my mind to in a short time. I speak well in public and am competent at all aspects of engineering and construction. I have a good understanding of science and in particular materials, geology, geochemistry, chemistry and horticultural knowledge and managed my own hobby farm for many years. I also have a reasonable knowledge of the law and in particular land law.

I have completed many courses including courses on accounting, auditing, geopolymers, programming, financial planning, wool classing, construction etc. Recently I completed a course allowing me to audit other accountants.

For many years developed a unique method of prestressing based on tech tendons which are an invention of mine.

In recent times I have taken a strong interest in the chemistry of binders systems and am currently working on new more sustainable cements as managing director of TecEco Pty. Ltd.

I believe that I am a leader and always seem to be elected to or take a position of leadership and this has been the case not only in my career but also with a number of associations.

Memberships I have been the secretary of the Angora Mohair Association, a Councillor of the Institute of Directors and their treasurer, a councillor of the Australian Taxpayers Association, president of the Glenorchy Branch of the Liberal Party, president and founder of the Granton Progress Association and founding president of the Austins Ferry and Claremont Association as well the founder of the Association for the Advancement of Sustainable Materials in Construction. I have also been a member of Materials Australia and a former committee member of the Concrete Institute of Australia (CIA) in Tasmania and Chairman of AASMIC. Currently I am a member of the Australian Society of CPA's, the Taxation Institute, Company Directors Australia, the NTAA and the CIA.

Hobbies My main hobby is gardening and landscaping and my wife and I have four beautiful properties on the banks of the Derwent where I explore my passion for creative design.

I was a good snow skier and came third in the Tasmanian Championships circa 1971, and sixth in a major race in New Zealand, Coronet Peak, circa 1975. I was also a state champion water skier. I play guitar, draw, sing, like walking, fishing and boating and for that matter any other activity I can undertake with my family that allows me to express my pantheistic regard for nature.

References Available on request