

ECO DESIGN ARCHITECTS



A.R. HORN B.A.S. (UCT), B. Arch. (UCT), Pr. Arch (SACAP), MIA, CIA Telephone: 021 462 1614. Fax: 086 6007 446
6/FI, 79 Roeland Street, CAPE TOWN, 8001 andy@ecodesignarchitects.co.za www.ecodesignarchitects.co.za

ECO DESIGN ARCHITECTS - COMPANY PROFILE

Address: 6th Floor, 79 Roeland Street, Cape Town, 8001
Contact details: **Tell: (021) 462 1614**
Fax: 086 600 7446
Cell: 082 676 2110
E-mail: info@ecodesignarchitects.co.za
Web site: www.ecodesignarchitects.co.za

Eco Design – Architects & Consultants is an architectural practice which specializes in ecologically friendly green building and consulting. Established in 1998 by **Andy Horn**, the practice has been at the forefront of the green building movement in South Africa and has won a number of international awards in the field of sustainable design.

The practice has worked on a wide range of projects and consulting jobs across the country and abroad to a broad range of clients. Clients have included:

- Namaqua National Park (SAN Parks)
- WESSA-Natal funded by Mondi Forests
- International Fauna and Flora
- National Water Saving Campaign
- Hantam Municipality
- Overstrand Municipality – under Andrew Greef Architects
- Mandela Rhodes Foundation
- Conservation International
- Village & Life – Camps Bay Retreat
- Eskom- Demand Side Management Department
- SA Heritage Resource Agency
- Oprah’s Angel Network with East Coast Architects
- MaAfrika Tikkun
- City of Cape Town – Heritage Department
- Ekurhuleni Metropolitan Municipality

Over the years we have built up an extensive resource base of knowledge in this field, which can add enormous value to projects. Typical benefits of green buildings are:

- reduced operational costs
- community involvement and benefit to local economies
- healthy buildings
- higher occupancy rates
- improved productivity of work spaces
- better sales with retail
- improved learner-ship in education
- lower environmental impacts
- low carbon footprint
- improved marketability
- sustainability

Membership of professional bodies:

- **Western Cape Suppliers Database** – Trade World registration number AOO N1 TAT RW
- **Member of SACAP** – South African Council for the Architectural Profession Reg. No: 7264
- **Member of SAIA** –South African of Institute of Architects – practice enrolment number: PE3949
- **Member of CIA** – Cape Institute of Architecture Reg. No 7348

Key qualifications/education:

- **Registered Professional Architect** (Pr. Arch), & member of the South African Institute of the Architectural profession
- **Bachelor of Architectural Studies** Andy Horn – (1990) & **Bachelor of Architecture** (1995) (University of Cape Town). Ansgar von Oertzen – **Dipl. Ing** (Univ. Stuttgart, 2005) **Cn Arch** (SACAP)
- **Diploma in Earth Brick Technology & Production** Andy Horn - April 1997 from CRATterre – EAG (International Institute for Earth Construction, University of Grenoble, France in partnership with the Cape Peninsular Technicon)
- **Certificate in Eco Village Design** Andy Horn – Nov 1998, (Cape Town) by GEN the Global Eco Village Network
- **Permaculture Design Course** Andy Horn – August 1996, (Cape Town) by permaculture teacher-Jeremy Burnham.
- **Diploma of Geomancy** Ansgar von Oertzen - Hagia Chora School for Geomancy & Feng Shui, 2006

Specialist services Eco Design offers:

- **Ecological Design** – Green architecture based on the “Manifesto for green Architecture” written by founding member Andy Horn.
- **Green Building Consultancy** – We have given consultancy services to numerous organizations, individuals, professional teams and companies.
- **Natural Building Skills** – stone, adobe/mud brick, compressed earth brick, light clay construction, rammed earth, wattle and daub construction, straw bale construction, sandbag construction, natural plasters, vault and dome building skills, timber pole construction, timber pole harvesting, ecological timber treatments and harvesting and planted roofs.
- **Heritage Conservation** – With experience in natural building techniques we carry knowledge of old building methods and have done alterations and restorations to heritage sensitive buildings.
- **Lecturing & Training** – Andy has held a part time lectureship post, running courses and lectures in ecological design for the architecture faculty at University of Cape Town and lectures widely on the topic conducting seminars and presenting papers at green building conferences. Andy has also facilitated numerous natural building training workshops for his own design projects as well as for other individuals and architectural firms.
- **Participatory/Charette Design** – Andy has been involved in a number participatory design workshops, including week-long design Charettes organized by Conservation International in the Northern Cape, namely “the Banking on Bulbs Charette” in Nieuwoudtville, 2004, the “Kamiesburg Tourism Design Charette” 2006, the Koonhuis De Beers Arid Eden Project 2007 as well as organizing and facilitating the charette for the Mamre Heritage Revitalization Project in 2007.
- **Product Design** – Eco Design Architects has been developing a range of furniture using sustainable materials; some of the furniture elements include chandeliers, pendants, desk & standing lamps, shelving, glasses, tables etc.
- **Geomancy** – Geomancy is an ancient tradition of working in accordance with the natural occurring energy fields of the earth (lay lines, chakras, water currents etc). This is very important when looking for the correct position on a site for a building. We offer this service as a supplementary to the architectural design processes alternatively it can also be a once off service.
- **EMF Analysis** – an investigation and measurement of electro magnetic frequency or “electro smog” that occurs in a building or site. Furthermore it enables one to come up with practical solutions that will minimize /reduce the impact that electro smog has on people.

Eco Design Manifesto:

With every project aside from striving for an aesthetic based design, we also strive to apply the following 6 broad principles for a greener approach to architecture as proposed in Andy Horn's "*Manifesto for Green Architecture*":



SOCIO-ECONOMIC -

Promoting social, economic & cultural upliftment.



LAND -

Site design that is respectful and in symbiosis with the local environment and its resources.



WATER -

The protection, conservation, efficiency and re-use of water.



ENERGY -

The conservation, efficiency, and renewable use of energy.



HEALTH -

Non-polluting environments and healthy materials.



HOLISM -

Holistic and intrinsically recyclable.

Awards:

- April 2007 – Andy Horn was one of 8 architects nominated for the **Daimler Chrysler Award** for South African Architecture
- 24-26th April 2006 - **Global Holcim Award for Sustainable Construction** one of the 15 Finalists – Bangkok Thailand.
- 13th October 2005 - **Regional Holcim Award for Sustainable Construction** - silver medal for the Africa and Middle East region.
- 21st Sept 2004 - **Sustainable Building Best Practice Award** in the Africa region for Residential Projects – qualifying to compete in the Green Building Challenge at the World Sustainable Building Conference in Tokyo, Japan – September 2005.
- July 2003 - **WSSD Renewable Energy Demonstration Project** Funding Award for the Johannesburg Climate Legacy.
- 21-27th Sept - **2002 Awarded a NORAD** grant to attend the "*International Sustainable Building Conference*" in Oslo, Norway. Preparation

Current Projects:

December 2010 – Present



Additions & alterations to a house for Mr & Mrs Bezuidenhout in Cape Town, Western Cape (*planted roof construction, grey water recycling & non-toxic finishes*).

October 2010 – Present



The OR Tambo Narrative and Environmental Centre in Benoni near Johannesburg is a project of the Ekurhuleni Metropolitan Municipality. The brief comprises: OR Tambo Narrative Centre, Environmental Centre, Multi-Purpose Arts & Crafts workshops, Outdoor Amphitheater & the Caretaker's cottage/ Show House. Eco Design Architects and Consultants were recently brought on board as the Green Consultants to assist and consult to the project team in their objective of making this an exemplary green building.

June 2009 – Present



New dwelling for Mr Ronald Eglin in Gqunube Green Eco Village, near East London (Eastern Cape) is predominantly an Adobe (Mud Brick) and Stone Construction with a planted roof. All Adobe Bricks were made on site. Additional green technologies which have been integrated are Dry Composting Toilets (Twin Vault System), a Trombe Wall, LED lighting throughout the house, Hot water Solar heating and a natural pool which is combined with the rain water collection. (Currently the project is in the construction phase).

June 2009 – Present



The new "Guba" centre in Swaziland includes a training centre, a versatile production space, an office and admin building, ablution facilities, a roadside stall and a nursery. The green building technologies which have been incorporated are Adobe Construction, Wattle and Daub Construction, Rammed Earth Construction Planted Roofs, Compost Toilets, Moonphase Harvesting of Timber and Renewable Energies (Photovoltaic, Hot water Solar heating, Windpower).

November 2008 – Present



New Bush Lodges in Jozini, Swaziland. Natural / Local and Non Toxic Materials and Finishes used throughout the Lodge, Sandbag construction and pre fabricated timber clad panels, Super Insulated Walls and Double Glazing Windows, Passive Solar Design Principles, Water and Energy Efficient.

Complete Works:

October 2008 – 2011



New Info Centre for Mamre Revitalization Project – Phase 3 in the Mamre Heritage Conservation area, using local natural building techniques with old masters (*local building skills development and creation of job opportunities in thatching, pole cutting, adobe brick making and lime plastering*).

Jan 2006 – September 2007

New house for Mr. Williams in Hout Bay (*Energy Efficiency, solar & heat pump water heating, planted roof & non-toxic finishes*)

September 2007 – July 2008



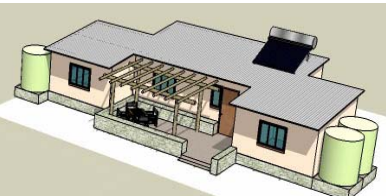
Mamre Heritage Revitalization Initiative – Phase 1 & 2 for City of Cape Town –Public Participation & Charette design workshops for a Master plan development for the heritage Revitalization of Mamre’s cultural landscape & project design of new Crafts & Info Centers

October 2007 – May 008



New dwelling for Mrs. Carol Morris in Barrydale, Western Cape (*A non-load bearing straw bale construction*)

September 2007 – Present



New Staff housing for organic “Farm Sheehan” outside Lusaka, Zambia, (*environmentally friendly materials & services*).

Aug 2005 – Present



Additions and alterations to a house for Mrs Alblas in McGregor, Western Cape (*using adobe brick construction, solar geyser, dry composting toilets, grey water recycling, local timbers, recycled elements, LED lighting and non-toxic finishes*).

September 2005 – December 2007



Additions and alterations for Mr. Opperman in Sea Point, Cape Town (*including solar water heating and non-toxic finishes*)

September 2004 – August 2007



New House for Ms Sumner & Mr Ivey in Hout Bay, Cape Town. *(Insulated brick, on-site & reclaimed timbers, passive solar design, solar geysers)*

September 2004 – April 2006



Caravan Park Upgrade for the Hantam Municipality in Nieuwoudtville, Northern Cape *(Rubble trench foundation, Straw bale, sandstone construction and living roof, eco services etc)*

NOTE: in 2005, this project was awarded a silver medal for Africa & the Middle East in the Holcim Sustainable Construction Awards

June 2003 – November 2006



New house for Mr & Mrs Sidler – Bloubergstrand), Cape Town. *(glass bottle windows, non toxic finishes, solar water heating, dome & pole roof structure)*

May – August 2005



Conference Accommodation & Staff Facilities at Stanford Valley farm, South Western Cape, *(local timber harvesting & ecological sanitation, rubble trench foundations, straw bale, light clay, wattle and daub,)*

Nov 2003 – April 2006



New House for Sally McConnel, New Art room and House for Mrs McConnel in Betty's Bay *(Pole structure, Straw Bale, non-toxic finishes, energy & water efficient fittings, solar water heating)*

June 2002 – Present



WSSD Carbon off-set Demonstration Project. A carbon off-set project for the Johannesburg Climate Legacy as part of "Greening the World Summit" on Sustainable Development, Oude Molen Village, Pinelands, Cape Town. *A 94 unit solar hot water heating demonstration facility*, Phase 1 with 18 panels were installed successfully. Phase 2 funding pending.

Dec 2002 – June 2003



New House for Kamie Brodie, Scarborough, Cape Town (*2 story straw bale, non toxic finishes and bottle windows*).

Nov 2002 – July 2004



New Staff Eco housing for Twin Streams Environmental Centre, (WESSA) funded by Mondi Forests – Mtunzini, KZN. (*Sandbag construction with local timber harvesting, eco services etc*)

NOTE: In 2004 this project was awarded a “Sustainable Building Best Practice award for Africa by the Union of African Architects”

April 2002 – Jan 2004



The Mud Gallery for Carol Morris in Barrydale on the R62, South Western Cape (*slate / mud walls and brick dome construction*)

Dec 2001 – May 2002



Community Educare Centre for the Flower Valley Conservation Trust, Gansbaai, South Western Cape. (*Cob & pole construction, recycled elements, rainwater harvesting, greywater reuse*)

March 2000 - May 2002



House Patience, Greyton, South Western Cape (*Timber pole, stone frame and straw bale construction, recycled building elements, bottle wall feature*).

March – November 2001



Alterations & additions to The Backpack – Africa Travel Centre, Tamboerskloof, Cape Town (*pole & reed roof, non toxic finishes & energy & water efficiency*).

February – August 2001



Alterations & additions to House Lijnes, Noordhoek, Cape Town (*brick vault & dome project, recycled elements & non toxic finishes*)

April 1999 – May 2000



New House Salters in Teslaarsdal, South Western Cape. (*Straw bale, local timber harvesting, compost toilet, greywater reuse, rainwater harvesting, heat exchanger, solar water heater*)

May – September 1998



Alterations and additions House Geyser, Vredehoek, Cape Town (*sustainably harvested timbers & non toxic finishes*)

January – June 1998



New House Prinsloo, Elands Bay, Cape West Coast (*straw bale, recycled components, dry composting toilet, pole structure*).

Unbuilt Projects:

January 2008 – 2011



Alterations & additions to existing dwelling for Mr & Mrs Ashmole near Stellenbosch, Western Cape. – Project terminated by client.

April 2008 – 2010

Mamre – Indigenous Knowledge Documentation with SAHRA (*South African Heritage Resources Agency*) documenting and visual recoding of heritage building systems of South Africa. – Submitted funding application through SAHRA

September 2008 – 2011



New dwelling for Mr & Mrs Rushe in Cape Agulas, South Western Cape (*A sandbag and stone construction*) – Project pending

January 2007– 2010



Ecological friendly luxury Chalets, Wellness Centre, Entry and staff facilities for the Bay Hotel's "Village & Life" manor house site, Cape Town (Ecologically friendly design including *planted roofs, timber & light clay construction & non toxic materials & finishes*). – Awaiting rezoning approval.

2007 – 2008



Eco Village Urban Plan layout for Zuvuya Sustainability Outreach Centre, KwaZulu Natal. Ecologically friendly design including 25 housing sites, Chalets, Training Centre, Camp Site, Backpackers, School / Crèche.

June 2007 – 2009



Impendle Hospice, Outreach, Training, OVC, Craft Centre & Clinic
Project Architects in Impendle (*Gijima funded, project that entails ecological & sustainable design systems, supporting local labour*)
– Pending detailed project planning funding.

2007



New dwelling for Mr & Mrs Everson in Grabouw, Western Cape. The new house also includes a Straw Bale Wine Cellar.

June 2004 – Nov 2005

Phase 2 & 3 of the Nieuwoudville Caravan Park Upgrade (*Straw bale, stone, pole, planted roof & non-toxic construction, eco sanitation, water efficiency, renewable & efficient energy*)

2007



Stanford Valley Housing Development, Stanford – South Western Cape. Urban Plan Layout Design with 213 dwellings, Conference facilities, Learning Centre, Nursery, Farm Stall, Frail care Centre, Alltments. (Lay water system, *renewable energy systems, rain water harvesting and on-site water purification, onsite biogas sewage*).

2006



Kogelzicht Housing Development, Pringle Bay – South Western Cape for Jesse van der Merwe & Hennie van Heerden. Development with 79 dwellings *in completely off-grid development with water & energy efficiency, renewable energy systems, rain water harvesting and on-site water purification, onsite biogas sewage, non toxic natural materials & finishes*

April 2004 – 2005

Restoration & Alterations to house for Mr. Wiswedel on farm near Calitzdorp, Western Cape (*mud brick, stone and pole construction*).

August 2003 – Dec 2005

Alterations & Additions to House Cohen, Kommetjie, Cape Town (*permaculture conversion, non toxic finishes, water & energy efficiency*)

June 2002 – May 2005

New dwelling for Mrs Elizabeth Doumen, Jakkalsfontein, Cape West Coast (*Non-toxic finishes, pole roof structure, water and energy efficiency*).

Oct 2003 – August 2004

New House for Marike Alblas in Greyton (*Straw bale*).

May 2002 – Oct 2003



Alterations and Additions House for Dr Tunnicliff, Hout Bay, Cape Town (*Non toxic finishes, recycled timber and reeds*).

Selected Consulting Work:

October 2010 – Present	The OR Tambo Narrative and Environmental Centre in Benoni near Johannesburg is a project of the Ekurhuleni Metropolitan Municipality. Eco Design Architects and Consultants were recently brought on board as the Green Consultants to assist and consult to the project team in their objective of making this an exemplary green building.
May 2008 – July 2008	Straw Bale Construction & Structural Design for new residence for Lulamile Mzamo, Tiegerpoort, Gauteng
December 2007 – March 2008	Green Design Review of Going Green Eco Centre, Port Elizabeth. For the Going Green Team (6 local architectural practices)
December 2007 – January 2008	Green design Report & Guidelines for <i>Hermanus Overstrand Municipal offices</i> , Western Cape for Andrew Greef Architects, Consulting service
October 2007	An Initial Environmental Sustainability Assessment Report , Danger Point Hotel, Gansbaai
September 2007	Participant of Design Charette for "Arid Eden" , organized by conservation International, for De Beers Mines, Konaas, Northern Province
June 2007	Ecological & Urban Design Consultant , for Stanford Development, Riverside Farm for Winscor, Western Cape
May 2007	Consultation, Design and Natural Building Workshops for the Stanford Valley Farm Conference Facility near Stanford, South Western Cape
June 2007 – Present	Eco Village Planning for Zuvuya , Midlands Meander Natal Midlands - (Gijima funded)
June 2006 – August 2006	Off-Grid Feasibility study for a water, sewage and energy self-sufficiency development in Pringle Bay for Jessie van de Merwe and CNDV Africa.
April – October 2006	Earth Brick Construction technical design guidance to East Coast Architects for Block B of 7 Fountains Primary School in Kokstad, Kwa-zulu Natal.
June 2004 – Feb 2005	Green Development Strategy Report for Namaqua National Park, Northern Cape.
June 2004	Maintenance report of historic headquarters building for SAHRA - South African Heritage Resource Agency, Cape Town.
April 2004	Ecological material consultant to the Greenhouse Project Joubert Park JHB.
Jan – March 2000	Compiled an energy efficient, low cost housing study for SEED and the Gugulethu Community Development Corporation.
December 1999	Wrote a Report on Sustainable Housing Support for Victims of Storm Damage in Gugulethu, Cape Town. An Energy & Water Efficient Perspective for Eskom & the Gugulethu Community Development Corp.
April 1998	Timber pole design and ecological timber treatment method consultant for ACG architects o for the New Alliance Française Cultural Centre, Mitchell's Plain, Cape Town.
September & March 1998	Helped design & compile a green building data base as well as authoring sections of a web site www.earthlife.org called the GLAD files or Green Living & Development files for the Greenhouse project in JHB.
July 1997	Ecological design consultant to the architect and steering committee of the new East London Environmental Centre.
August 1996	Completed the Greenfiles - a reference manual of ecologically minded building products and contacts for Cape Town architect Etienne Bruwer.

Selected workshops and lectureship given:

- 30th March 2011 Presented a talk ("*In Search of an Appropriate South African Architecture*") at Rustenberg School Art Seminar.
- 22nd September 2010 Presented a talk ("*There's no Place like Home*") & was part of a panel discussion on *green residential design* at the Green Building Council Conference & Exhibition at Cape Town Convention Centre.
- 23rd April 2010 *Conversations on Green Architecture* at Decorex at CTICC. (Lecture & Panel Discussion)
- 14th May 2010 *Lecture on Ecological Design* at Sustainability Institute Stellenbosch for Master's course on ecological design.
- 20th August 2009 *Environmentally Responsible Timber Treatments & Harvesting Practices* at Strand Rotary Club.
- 15th & 20th May 2009 Delivered *lectures on Straw Bale Construction* for Meshfield Sustainable Innovation Lecture series.
- 7th May 2009 *Lecture on Ecological Design* at Sustainability Institute Stellenbosch for Master's course on ecological design.
- 12th February 2009 Presenter at "Infecting the City" Festival for "Talking Heads" at Cape Town City Hall.
- 16th December 2008 Gave lecture on **Cob Construction - a South Africa Storey** at the McGregor Centre for Appropriate Technology's Cob Convergence
- 2nd September 2008 Facilitated a 1 day *Master class on Green Buildings* at Real Estate Investment World, Sandton Convention Centre, JHB.
- 22nd August 2008 Presented a talk and facilitated a panel discussion on *Alternative Construction* at the Green Building Conference & Exhibition 20-22 Sept 2008, at Voda-World JHB.
- 1-2nd June 2008 Facilitated a workshop on *Solar Cooking Solutions for Community Empowerment* – for the Mandela-Rhodes Foundation at Gnune as part of the MRF scholarship program Leadership course.
- 20th May 2008 Presented *An Architecture of Process* – to members of the public and 2nd year students at Cape Peninsular University of Technology.
- 16th & 17th May 2008 Presented 2 lectures on *Design for the Future – a manifesto for green architecture, 6 broad principles for a greener approach to architecture*, at the Hoedspruit Sustainability Festival.
- 9th April 2008 Presented a lecture & discussion forum on *Sustainable Design and Construction* at the Building & Finishing's expo's City of Cape Town's Energy Seminar, at the Bellville Velodrome, Cape Town.
- 18th March 2008 Presented lecture on *The State of Architecture in South Africa* along with 2 other Daimler Chrysler Award for SA Architecture, Cape Town Nominees, at the Iziko SA National Museum, Cape Town
- 14th November 2007 *A Manifesto for Green Architecture – 6 broad Principles for a Greener Approach to architecture* – Cambridge Dendrite Seminars at the BP Building V&A Waterfront, Cape Town
- 8th November 2007 Presented a lecture on *Natural Building – Solutions for a Sustainable Built Environment & Community Upliftment* at the 2007 Green Building Southern Africa Conference.
- 17th April 2007 Presented a talk on *Natural Building as a Means of Supporting Community Upliftment & Environmental Sustainability* at the "Innovation to Implementation" – Workshop organized by the South African Housing Foundation in association with the Department of local Government & Housing at the Cape Sun, Strand Street, Cape Town.
- April – May 2007 On-site facilitator/foreman of **Earth and lime plastering** of Block B, 7 Fountains Primary School in Kokstad for Oprah's Angel Networks & East Coast Architects.

- May 2007 Facilitated a *Natural Building Training Workshop* on dipped straw bale, rammed light clay and wattle and daub construction at Stanford Valley Farm Conference Facility near Stanford, South Western Cape.
- 17th December 2006 Facilitated a light clay/straw workshop & lecture on *Natural building as a means of supporting community involvement* at the Cob Convergence at McGregor Centre for Alternative Technology.
- 29th November 2006 Presented a lecture on *Introduction to Ecological Design*. at the Somerset West Council chambers to The City of Cape Town Building officials as part of The City of Cape Towns initiative to develop Green Building Guidelines.
- October 2006 Facilitated an *Adobe plastering workshop* for the construction of the Seven Fountains Primary School for East Coast Architects and sponsored by Oprah's Angel Network.
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- 13th – 14th September 2006 Facilitated a *Straw bale workshop* for the construction of the Wolwekloof Academy in Ceres, Western Cape, for ARG Architects.
- 20th – 22nd July 2006 Facilitated an *Adobe brick laying and construction workshop* for the construction of the Seven Fountains Primary School for East Coast Architects and sponsored By Oprah's Angel Networks.
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- 19th June 2006 Lecture given on *Practicing Green architecture - An exploration of the six broad principals of ecological design* to the Kwa-zulu Natal Institute of Architects in Durban.
- March 2006 Facilitated an *Adobe brick making workshop* for the construction of the Seven Fountains Primary School for East Coast Architects and sponsored by Oprah's Angel Network
- 2004 –2006 Part-time Lecture at the Architectural Department at the University of Cape Town, for 1st year students as a visiting lecturing the *Environment 1 course - Sustainable Construction and Design*.
- 18th December 2005 Lecture given on *6 Broad Principles For Green Design* at the Cob Convergence at the McGregor Centre for Alternative Technology.
- 2001- 2003 Part-time Lecture post at the Architectural Department at the University of Cape Town, for 2nd year students lecturing the *Environment 3 course - Sustainable Construction and Design*.
- 24th – 25th May 2003 Co - facilitated at a *Workshop on natural building – Stone, cob, straw bale & adobe* in Irene, Pretoria, S.A. for the Sustainability in the Built Environment Conference.
- 21 May 2001 Presented a slide talk on *Ecological Design in Practice - towards zero waste* at a seminar on Construction and Demolition Waste hosted by the CSIR in Cape Town.
- 23 – 24th April 2001 *Strategies for Green Buildings in Southern Africa – an exploration of principles and approaches*, Seminar organised by the Greenhouse Project in Johannesburg.

Conferences & Courses attended:

20 th -22 nd August 2008-09-08	Attended the <i>Green Building & Exhibition</i> organized by Green Building SA at Vodaworld, JHB, Gauteng
20 th May 2008	Attended Presentation <i>Case Study on a 6 Green Star rated Building</i> by Anika Spears, Environmental Manager for BuildCorp – Australia, at Cape Town Hotel School
7 th May 2008	Attended talk <i>Sustainability of Climate Change: Materials & Green Star Implications</i> by David Baggs at Nedbank BOE V&A Waterfront Auditorium.
10 th April 2008	Attended a <i>Green Retro-fitting seminar</i> at the BOE Conference Centre V&A, Waterfront, Cape Town.
27 th March 2008	Attended Sustainable neighborhoods Workshop at Sustainability Institute Stellenbosch.
8 – 9 th November 2007	Attended <i>Green Building Southern Africa Conference</i> , Facilitated by the University of Pretoria.
4 – 5 th September 2007	<i>JBCC Series 2000 Seminar</i> , by Ivan Finsenn, at Cape Town Holiday Inn.
7 – 8 th April 2007	2 day <i>Express Design Master Class</i> , by Australian architects Richard Le Plastrier &, Peter Stutchbury with Cape Town architect Mario Bonadet at University of Cape Town
19 – 23 rd September 2005	Attended the <i>SBO5Tokyo</i> – An international Sustainable Building Conference in Tokyo exhibiting the Twin Streams Project.
14 - 20 th - September 2004	Attended the <i>Africa Regional Sustainable Building Conference</i> , at Speer wine farm near Stellenbosch, Western Cape.
23-25 th September 2002	Attended an <i>SB02OSLO</i> – An international conference on Sustainable Building in Oslo, Norway. Attended on a Norad Grant.
23 – 25 th Nov 1999	Workshop on <i>The Future of Earth Construction in South Africa</i> co-organised by CSIR, Boutek, Forum for earth building technologies and CRATERRE-EAG at the University of the Witwatersrand.
18-22 nd Nov 1998	Attended an <i>Eco Village workshop</i> hosted by the Global Eco Village Network at Monkey Valley, C.T.
23 rd August 1997	<i>Earth Building Technology Workshop</i> hoasted by the concrete institute at Wits University.
21-24 th April 1997	Attended Earth Brick Technology and Production course given by the CPO & CRATERRE-EAG. Pentech, Cape Town.
23-25 th August 1996	Attended Permaculture Introductory Course , Given by Jeremy Burnham, Cape Town

Publications – Illustrations:

- Jan – March 2002 Illustrated a book called *Urban Energy Manual – Practices for sustainable energy use in low-income households*. By Sarah Ward of The Energy Development Group.
- February 1999 Department of Water Affairs - *Water Saving House Design*. A brochure for the National Water Conservation Campaign. Words and illustrations by A.R. Horn

Publications – Books, Articles & Conference Papers:

- December 2008 One of 24 authors of "**Bending the Curve – your guide to combating climate change in South Africa.**"
- June 2008 "**Touch Wood**" pages 120 – 122, published by Verlagshaus-Braun, Berlin
- June 2007 **Andrew Horn, Cape Town**, Article & photos for the Daimler Chrysler Award for SA Architecture Exhibition Catalogue, pg 64 - 5
- October 2006 KZ-NIA Journal Issue 2/2006 Vol.31 – **Adobe Construction in Block B - Seven Fountains Primary School** Article and pictures 14-15.
- July 2006 **Natural Building as a means for supporting community involvement – Challenges & Innovation** presented at the Sustainable Built Environment conference in Bloemfontein, Free State.
- November 2005 Entry article in the Holcim Foundation for sustainable construction – winning entries from around the world 2005. Titled **Caravan Site Upgrade, Nieuwoudtville, South Africa**. Pg 10
- September 2004 Leading Architecture **Straw bale in Scarborough**. Words and pictures. Pg 39-41
- October 2003 The Last Straw - The international Journal of Straw Bale and Natural Building - **South Africa, a Summary of Straw Bale Activity** Word and pictures for winter issue 44 (A World Tour of Straw Bale) Pg 11-12
- May 2003 Gave a paper called **achieving sustainability with a natural building approach** at the *Technology and Management for Sustainable Building* conference at the CSIR conference centre, Pretoria.
- August/September 2002 Odyssey Magazine – **Green Design – practicing green architecture** Words and pictures. Pg 10,11.
- January 2001 S.A. Architectural Digest - **A Green Get away** Words and pictures. Pg 134-135
- August 2000 Presented a paper on **Junk Architecture – Towards an Ecology of Recycling** as part of the proceeding of the Sustainability in the Built Environment 2nd conference held in Gauteng.
- Jan-Feb 2000 S.A. Planning and Architecture Magazine - **Straw Bale Building** Words and pictures. Pg12-13
- 26-28 August 1998 Presented **3 case studies from the Western Cape – earth brick construction, cob buildings and straw bale construction** as well as **A Manifesto for Green Architecture – 6 broad based principles** at the Sustainability in the Built Environment Conference in Johannesburg.
- March 1998 Wrote **A Manifesto for Green Architecture – 6 Broad Principles for a Greener Approach to Architecture** as part of Earthlife Africa's GLAD files - Green Living and development website - www.earthlife.org.za in addition it is also hosted on www.bcn.ufl.edu/sustainable and was presented and published at the Sustainability in the Built Environment conference held in Gauteng 1998. Available on www.sustainablebuiltenvironments.com

Publications - Articles & Reviews:

- October 2010 *Friendly lifestyle in Green Ecovillage* , by Linda Sparg, Weekend Post
- Winter 2010 *Andy Horn*, by Alma Viviers, VISI Magazine, page 30
- November 2010 *Eco Lighting*, by Bronwyn Houghton, photos by A.R. Horn
- October 2008 *Natural Strategy*, by Gill Cullinan, Garden & Home Magazine
- Autumn 2008 *Eco for Dummies* An Easy Guide to Greening an Existing House, concept & initial drawing by A.R. Horn, Elle Decoration, pg 60 – 61.
- February 2008 *Leading By Example – Green Building Timeline*, featured in Urban Green File, vol12, number 6, pg 8
- February 2008 *Buildings that thrill Senses*, by Veronica Wilkinson The Good Weekend,
- Summer 2007/2008 *The Last Straw*, by Andrea Parker, Lowveld Living Magazine, issue 15, pg 100-104.
- December 2007 *By Design – small homes with design appeal*, SA Garden & Homes, article & fold out plan pg 70
- Autumn 2007 *Green Dream*, by Les Aupiais, photos by A.R. Horn, Elle Decoration, Autumn Issue 2007, pg 53 - 54
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- June 2006 Featured in Visi – *100% Handmade* by Elna Van De Merwe Pg 79 – 85
- June 2006 Featured in The Last Straw – The International Quarterly Journal of Straw Bale and Natural Building – *The Status of Straw Bale Codes and Permitting Worldwide* by Martin Hammer with picture by A.R. Horn. Issue 54
- 2006 Picture of House Brodie by A.R Horn published on page 73 in *Natural Building – A Guide to Materials and Techniques* by Tom Woolley. First published in 2006 by The Cromwood Press Ltd, Ramsbury, Marlborough, Wiltshire.
- December 2005 Featured in Urban Green Files – Green planning and design *Combining Traditional and New Technologies* Pictures by A. R. Horn, Pg 28-29.

Nov/Dec 2005	Pictures featured in <i>Holcim Awards winners and sustainable Construction design in the spotlight</i> published on the back cover of Architecture South Africa-Journal of South African Institute of Architects.
October 2005	Featured in The Sunday Independent – <i>Green Houses</i> by Mary Corrigan. Pictures by A. R. Horn. Pg 2-3
March 2005	Featured in Urban Green Files – <i>The Mtunzini eco-house – best practice?</i> by Leigh Darroll. Pictures by A. R. Horn. Pg 26 –29.
January 2005	Featured in House & Leisure – <i>Character Building</i> by Lin Sampson Pg 76 – 81.
2005	Pictures of House Brodie & Twinstreams by A. R Horn published on Pg 76 – 78 in <i>African Decisions, issue 2 Home Sweet Home</i> by Telford Vice.
November 2004	Featured in Urban Green Files – <i>Sustainable Building Best Practice Awards - Twinstreams Staff Housing</i> . Pictures by A.R. Horn. Pg 4 – 5.
September 2004	Die Burger Blou Druk – <i>Groen geboue wat werk</i> Picture by A.R. Horn. Pg 18.
June 2004	Featured in Lifestyle - <i>We're getting greener</i> by Lauren Shantall Pg 5
May 2004	Featured in The Property Magazine – <i>Not the last straw</i> by Hilary Prendini. Pg 54 – 56.
March 2004	Featured in the Cape Argus- <i>Domed house with a sacred touch</i> by Jeanne Writer
January 2004	Featured in Rooi Rose – <i>Sandra se Weskushuis</i> by Sarenda Eloff – Voster. Pg 40-45.
2004	Pictures by A.R Horn printed in the <i>South African Earthen Architecture calendar</i> by SAHRA (South African Heritage Resource Agency)
June 2003	Featured in Elle Decoration – The Earth Issue <i>Deco Q & A – Andy Horn</i> . Pg 33.
November 2003	Le Moniteur – <i>L'Écologie dope l'innovation</i> by Dominique Gauzin-Muller. Pg 74-77.
November 2003	Featured in LIFE etc. – <i>Environment comes first at Sandra's West Coast hideaway</i> by Helen Bamford Pg 19
September 2002	Featured in House and Leisure – <i>Designing for the Environment</i> . Pg 90, 91.
July/Aug/Sept 2002	Featured in Design Indaba Magazine – <i>House of Good Hope</i> by Sean O' Toole. <i>Pictures by Eco Design</i> . Pg 20.
July/Aug 2002	South African Journal of Natural Medicine – <i>How Healthy is your Home</i> Pg 88
November 2001	Featured in the Cape Argus <i>Dome elevates house to a different dimension</i> by Jeanne Viall. Pg 13.
July/August 2001	S.A. Home Owner - <i>Back to Basics</i> by Lisa Guimaraens and pictures by A. R. Horn. Pg 130 - 131
1999	Quotations featured in <i>Avis Companion vol 2 – Sick Building Syndrome</i> by Lisa Templeton Pg 80
1998	Featured in The Big Issue, issue 10 – <i>The ultimate green house</i> by Janine Stephen Pg 21.
1997	Featured in The Star <i>Building healthier houses with ecological matters in mind</i> by Ufrieda Ho. Pg 13.

In-house Papers: (Information packages made available for sale to the public)

May 2008



Wrote and published *A Sandbag Building Handbook*. Describes the basics of a simple sandbag building system. It uses structural ladders made of timber latte, off-cuts or small dimensional battens that can be sourced from scrap material and which are nailed or screwed together. Ladder frame structure is filled in with sand bags onto which natural plasters are applied.

January 2008



Wrote and published *An Illustrated Manifesto for Green Architecture*. This document forms the theoretical basis of our practice. It details the six broad principles for green design, why they are necessary and what measures can be taken to implement them.

September 2006



Wrote and published, *A Manual for a Straw Bale Building System*, Details the preparation and construction methods of a non-load bearing straw bale system using a dipping process. This low-tech method helps to speed up the plastering process considerably, as well as improving the protection of bale walls during and after construction. Includes lots of detailed illustrations and images.

June 2006



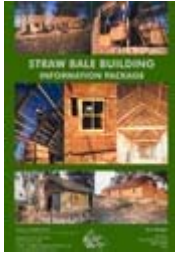
Wrote and published *Earth Building Soil Analysis and Adobe Brick Making* document. Illustrates and explains a whole series of simple on-site tests for assessing the suitability of a soil for building purposes, as well as improving its suitability.

September 2005



Wrote and Published the Grey Water Document *A Water Saving & Recycling Document*. The document describes the installation of a low-cost, low maintenance sub-surface irrigation system that the author has tried and tested.

June 2005



Wrote and published *Straw Bale Building - Information Package*. Over 100 pages of construction details for building with straw. Includes information on everything from foundations to roof, earth plastering etc. A very comprehensive document that deals with a variety of both load bearing construction and non-load bearing straw bale systems.

September 2005



Wrote and published *Eco Friendly timber in South Africa*. Most of the information is covered in the Straw bale document. This document includes some additional information about renewable timber sources, moon phase harvesting and a few hints for sound construction detailing.

August 2004 – Sept. 2005



Wrote and published *Lime, Earthen Plaster and Natural Paint Info Sheet*. This document details the preparation of natural and home made paints and clay plasters. A do it yourself information brochure. The information is also covered in the Straw Bale Document.

References:

- Paul Holtrop – Environment Course programme coordinator UCT Dept of architecture
Tel: (07 21) 689 9317, email: paulholtrop@telkomsa.net
- Professor Tom Woolley: CAT – Center of Alternative Construction in Macynthlith, Wales
email: woolley.tom@virgin.net
- Mr. David Leukes – BVI Engineers Northern Cape
Tel: (07 54) 337 6636, email: davidl@bvinc.co.za
- Louis de Villiers – Attorney & Conveyancer
Tel: (07 21) 448 8908, email: louis@villiers.co.za
- Cecilia De Bruyn – City of Cape Town, Heritage Department, Bloubergstrand.
Tel: 021 550 7564, 084 980 5345, CeciliaDeBruyn@capetown.gov.za