

RECENT BENCHMARK PROJECTS

Project, Description	Date
<i>City Lodge Hotel Group, South Africa. Strategic plan to install approximately 3MW_p grid-tie photovoltaic systems on roofs on an EPCM agreement. R33mil</i>	2019 - current
<i>WITS Hall 29, Jo'burg, South Africa. co-generator & district heating. R8,5mil</i>	2019 - current
<i>WITS Three-sisters Residence, Jo'burg, South Africa. 200kW co-generator & district heating. R8,26mil</i>	2019 - current
<i>WITS Junction Residence, Jo'burg, South Africa. 603m² domestic hot water c/w co-generator & district heating. R2,64mil</i>	2018
<i>WITS Barnato Hall Residence, Jo'burg, South Africa. 144m² domestic hot water. R1,1mil</i>	2017 - 2018
<i>WITS David Webster Residence, Jo'burg, South Africa. 128m² domestic hot water. R 1,7mil.</i>	2017 - 2018
<i>Cav Abatoir, Rayton, South Africa. 1 100kW_p "sheepport" shading grid-tie system with Eskom "banking"-agreement. R25,6mil</i>	2016
<i>Ampath Trust, Pathologists Cedar road laboratories. 101kW_p grid-tie system. R1,83mil</i>	2016
<i>Frans Smit Trust, Farmer in Marble Hall with an energy consumption of 1 940MWh/annum over 24 farms. First project = 800kW_p single axis tracking grid-tie system with Eskom "banking & wheeling"-agreement. R17,54mil</i>	2015 - 2017
<i>Ampath Trust, Pathologists with site is South & rest of Africa, PV grid-tied systems and energy strategy. Plant 1 = 383kW_p grid-tie system. R6,9mil</i>	2015 - 2016
<i>Bridgestone, tyre manufacturer with 10MVA demand, energy efficiency and 6MVA co-generation plant with biomass. R151mil</i>	2015
<i>Marble Hall Spar, 195kW_p photovoltaic system for own consumption. R3,76mil</i>	2015 - 2016
<i>AJ Pieterse farm, 120kW_p photovoltaic grid-tie system. Connected to the national Eskom on a "banking" agreement. R2,92mil</i>	2015
<i>Westfalia Estate, Cogeneration (waste wood) & photovoltaic electricity for Westfalia fruit processing, Electricity ±1MWh/a & industrial heat.</i>	2015
<i>Department of Housing, Domestic hot water & photovoltaic electricity for Zithobeni, Low income housing, 80 000-litre/day solar water heating & 560kW_p PV system.</i>	2013 - 2014

Holms and Friends cc / PO Box 2160 / Xanadu crossing

<i>ZED Mali electricity utility, rural & grid-tie photovoltaic systems</i> Strategy development for 60MW _p PV systems. First projects implemented US\$52,1mil	2013 - 2014
<i>University Pretoria, warm water Prinshof residences,</i> 638 m ² Solar Water Heating. R5,87mil	2013 - 2015
<i>University Pretoria, Domestic hot water for dining hall,</i> Biggest SA vacuum tube collector system for high temperature SWH: 300 m ² collector. R2,63mil	2012 - 2013
<i>University Pretoria, warm water Boekenhout/Olienhout residences,</i> 616 m ² Solar Water Heating. R3,81mil	2012 - 2013
<i>SABS energy strategy,</i> Energy strategy to improve beyond legislation & control CO ₂ emissions	2010 - 2011
<i>DBSA energy strategy,</i> Energy & environmental strategy to become energy & CO ₂ neutral	2008 - 2014
<i>DBSA Vulindlela academy office extensions,</i> New office building with complete green status	2009 – 2010
<i>University Pretoria, warm water & passive design Onderstepoort residence,</i> Solar water heating for 530 students. Passive design for new buildings. The biggest SWH project in Southern Africa	2010 - 2012
<i>University Pretoria, Olympic pool,</i> The biggest solar pool heating system on the African continent	2009 - 2011
<i>University of Free State, warm water systems,</i> Solar space and water heating for university hostel	2009 – 2010
<i>University Pretoria, warm water project phase II,</i> Solar water heating for three student hostels	2009 -2010
<i>DBSA gate house, Midrand, South Africa,</i> Passive design, solar thermal & electrical system	2009 - 2010
<i>Sasol Polymers, Bryaston, South Africa,</i> 150kVA solar steam generation & UPS for offices	2009
<i>148 on Grosvenor, Bryanston, South Africa,</i> 20 Luxury apartments with SWH	2009
<i>Unilever warehouse, Pietermaritzburg, South Africa,</i> Solar Water Heating for Change house	2009
<i>Gaberone Sun Hotel & Casino, Gaberone, Botswana,</i> 352m ² solar water heating system	2008

Holms and Friends cc
Building on Sunshine

PO Box 2160 / Xanadu crossing / 0279 / South Africa / T: +27 (0)82 809 0190 / F: +27 (0)86 642 5128
www.holmsandfriends.co.za / RegNr: 2003/093019/23 / Members: H Holm BArch(UP), PrArch, MIArch - DEM Holm
TEFL(English), CENV(Unisa)

Holms and Friends cc / PO Box 2160 / Xanadu crossing

<i>Lonmin housing, Marikana, South Africa,</i> 550 fully sustainable housing development (energy autonomous)	2008
<i>Golden Gardens development, Van der Bijl, South Africa,</i> 4,000 affordable housing development (energy autonomous)	2008
<i>Pine Trout development, Dullstroom, South Africa,</i> Upmarket housing completely of the grid (75 units)	2007 - 2009
<i>University Pretoria, warm water project,</i> Solar water heating for three student hostels	2007- 2008
<i>McNabs offices, Parkview, South Africa,</i> 45m ² solar water and UFH system, solar grid connected UPS	2007- 2008
<i>Tapologo HIV/AIDS Hospice, Phokeng, South Africa (phase 3),</i> Alternative materials, building methods and technology. Received an award	2006 – 2009
<i>Zinkor mine, Springs, South Africa,</i> Energy efficiency and Solar Water Heating systems	2006
<i>ZZ2 tomato farms, Mooketsi, South Africa,</i> LCC for energy efficiency and alternative	2006 - 2007
<i>House Stellenbosch, South Africa,</i> Ecological, passive design home	2005 – 2009
<i>Tapologo HIV/AIDS Hospice, Phokeng, South Africa,</i> Alternative materials, building methods and technology	2002 – 2006
<i>Lifestyle Garden Centre, Johannesburg, South Africa,</i> Saving 600 kVA max. demand electricity through LIRP. Biggest SWH project at the time (480m ²)	2006
<i>Arusha Rain Forest Housing, Arusha, Rwanda,</i> 500 homes PV electricity	2005