

www.hope-mag.com

NOVEMBER 2015 ISSUE 59

Hope

TELLING RWANDA'S STORY MAGAZINE



New STRAWTEC Facility Provides affordable Construction Solutions

FREE COPY

Eckardt M.P. Dauck
Chairman Strawtec

TEAM

Albert Ndata
Armand Muganga
Benigne Mugwaneza
Gahima Vital
Manzi Joseph
Matthew Rwahigi
Murangira Janet
Rumanzi Abraham
Sandra Nyakato
Sharon Umunyana
Shema Leonard
Rebero Daniel

DESIGN & LAYOUT

Dani K.

PUBLISHED BY

Hope Magazine Ltd.

ADVERTISING &
GENERAL INQUIRIES

P.O. Box 6176
Kigali-Rwanda

+250 788 524189 /
+250 788 404138

info@hope-mag.com
Website: hope-mag.com

COPYRIGHT 2013

reserved by Hope Magazine
Hope Magazine a monthly
Magazine is published by Hope
Magazine Limited.
All rights reserved.
The opinions expressed in the
magazine are not necessarily
those of the editors and
publishers of Hope Magazine.



■ COVER PAGE

New Strawtec Facility provides
Affordable construction solutions

Rwanda hospitality refined building and construction redefined

Rwanda's economic performance has witnessed exponential progress in the recent past, a clear demonstration of resilience amidst global economic turbulence. Real GDP was 7.0% in 2014 compared to 4.7% in 2013. The services and agriculture sectors led growth during this period, growing at 9.0% and 5.0% respectively. Trade, tourism, transport and information and communication were the leading growth drivers in the services sector, which accounts for the largest share of GDP.

The exportation of services, led by tourism and hospitality, has given Rwanda a good spectacle of growth. Earnings from tourism and hospitality should not be seen as an end, but a means of amplifying and polishing the efforts and innovations that have been summoned into force to create such a difference in receipts, from \$251.3m in 2011 to \$303m in 2014, targeting \$860m mark by 2016.

The time to build a more competitive hospitality sector is now. Other than the infrastructures and facilities hotels, transportation and easy access, much more effort should be trained towards building and refining skills whatever it takes formal education, mentoring, coaching, and industrial-based training should all be brought in the equation. Positioning Rwanda's tourism sector to an international eye should as well be prioritized. We should, especially, target the new tourism market from the orient (China, Malaysia, Hong Kong, Korea, Japan and others).

The fruits of development are as well finely reflected in the explosion of the building and construction industry. Rwanda has not allowed to be taken unawares by urban sprawl (expected to reach 35% by 2018) but has crafted deliberate policies that are taking shape and being implemented for a sustainable urbanization process. The Kigali Master Plan, Urbanisation Policy, Housing Policy and Organised settlement Policy are all in place to guide the structural geography of the city and soft infrastructures of the building and construction industry.

It's no wonder therefore; real estate development is getting redefined, building and construction professionals are now better equipped, standards and quality have risen to a higher pedestal and foreign investments in building materials are streaming in to a honorable satisfaction. Hope Magazine, committed to telling Rwanda's story, has, beginning with this issue, embarked on profiling companies and institutions that have immensely contributed to the building and construction industry, hospitality and other forms of development of which articles will be documented from time to time.

We appreciate your feedback. Please keep sending more on
info@hope-mag.com or visit www.hope-mag.com, to post your comment
on any published story. We shall pick it and respond to you asap! 📧

Rebero Daniel



New **STRAWTEC Facility** | Affordable construction solutions for developers and investors

STRAWTEC tackles the high demand for affordable construction head on by manufacturing innovative modular building panels in the Kigali Special Economic Zone, with a value chain based entirely in Rwanda.

STRAWTEC supplies high quality, cost effective building solutions to developers and investors.

With a local production capacity of 500,000 sqm of building panels per annum (equivalent to approximately 2,000 dwelling units), STRAWTEC offers modular construction systems based on material that has been proven in Europe for over 70 years.

These systems **reduce development costs and increase profitability** by minimizing supply chain risk, financing costs, con-

struction time, dimensions of loadbearing structures and time to market.

STRAWTEC - the green and sustainable solution of choice.

STRAWTEC panels have excellent green credentials and already fulfill future requirements for sustainable, energy efficient and healthy building materials.

The use of locally produced STRAWTEC panels instead of conventional materials like cement blocks leads to a substantial reduction in CO₂ emissions.

FONERWA, the National Climate Change and Environment Fund, has partnered with STRAWTEC in a project to substantially reduce the carbon footprint of construction. **Zero Carbon Designs**, the lead institution in the FONERWA project, uses a fully integrated design approach. With a highly experienced team of Rwandan and international professionals, Zero Carbon Designs combines low carbon building materials with a green sustainable neighborhood design, put into context specifically for Rwanda.



Eckardt M.P. Dauck, Chairman of STRAWTEC, with government and private sector officials during the launch of the new STRAWTEC facility in Kigali

“The STRAWTEC manufacturing facility not only supports the national economy through income generation, job creation and import substitution, but also contributes a fast, cost effective mass-housing solution to Rwanda.” Emmanuel Hatogeka, Permanent Secretary Ministry of Trade and Industry

Reduced Costs and Project Risk

STRAWTEC's construction solutions considerably reduce project costs and project risk due to:

- ▶ A controlled production environment leading to consistently high quality materials
- ▶ Reductions in construction time based on ease of assembly at the construction site
- ▶ Reduced dimensions of the loadbearing structure, including foundations and pillars
- ▶ Substantial savings in financing costs
- ▶ Reduced supply chain risk due to use of locally produced materials
- ▶ Use of a green, low carbon building technology
- ▶ Fast time to market



Residential Construction

Single family homes

Building a modular family home on an existing foundation can be done in a matter of days. All STRAWTEC modules are being pre-cut and numbered in the production facility. The time for the fit-out and finishes depends on the standard selected.

Apartments

To achieve a high-density development, apartment's blocks are the preferred choice.

STRAWTEC's fast and cost effective multi-storey apartment solution is based on a load bearing structure (i.e. lightweight metal or reinforced concrete) in combination with STRAWTEC floor slabs, partitions and facade in-fills. All STRAWTEC modules, windows, doors and the light-weight metal structures are made in Kigali and meet high quality standards.



Partitioning

STRAWTEC's self-supporting wall systems deliver an exceptional combination of high performance properties, fast and flexible construction, and light weight. STRAWTEC provides a significantly faster and more cost-effective solution.

Space Saving

With a width of just 58mm, STRAWTEC optimizes the available floor space in a project. Put into context, the installation of STRAWTEC as an alternative to cement blocks will add up to 5% in usable floor space by reducing the thickness of the walls.

Finishings

The paint-ready surface of STRAWTEC modules ensures the easy application of standard finishings such as primer, paint, plaster or tiles, resulting in good quality, durable internal finishes.

For ultimate flexibility, STRAWTEC offers ready-laminated panels fitted with aluminium profiles for partitioning in offices and shopping centres, combining extremely fast construction times, a durable finish and a wall that can be easily demounted and re-positioned.

Customized Solutions

STRAWTEC also offers customized solutions for enhanced soundproofing and bulletproofing, typically used in hotels, high-end commercial buildings and offices.



Installation of STRAWTEC laminated partitions

▶ The establishment of STRAWTEC puts Rwanda at the forefront in Africa for construction using locally manufactured, sustainable, green building materials. ◀