



Ohlhorst



Mall of Africa, 2016

Ohlhorst Lightweight Building Solutions

Ohlhorst Lightweight Building Solutions is a technical specialist that develops, engineers and installs façades and load-bearing construction in lightweight cold-formed steel. Lightweight steel structures are clad with energy saving thermal materials, covered with crack resistant plaster, then finished in colour-fast render, tiles or coloured glass.

Ohlhorst LBS offers a full-service package. We design, develop and construct all types of high quality walls and steel construction, from modern climate facades and walls to second-skin walls. Corrective and preventive maintenance of walls is also available as a service.

Our unique knowledge and skills allow us to collaborate with the architect to develop even the most special and specific designs. Being involved right from the early planning stages of the design creates enormous value for all parties.

Contact Us

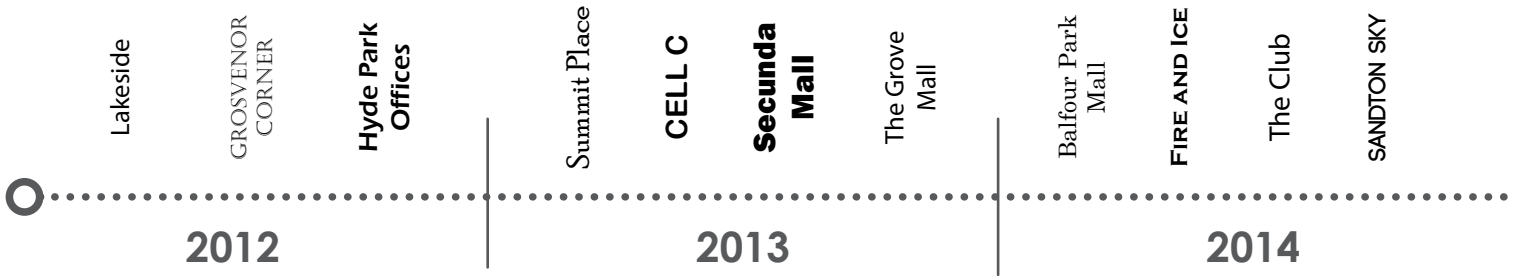
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University
of Pretoria

RIVERWALK
EXTENSION

2015

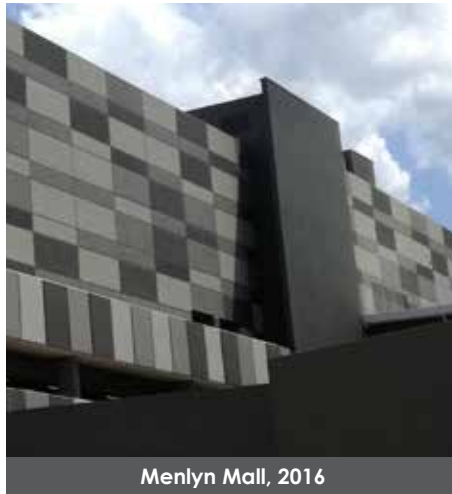


Mall of Africa

Menlyn Mall

Vantage

2016



Gateway

SUMMIT PLACE

2017



Light Steel Frame

- **Strong** – Highest strength-to-weight ratio of any building material. Meets very tough performance standards
- **Inorganic** – Will not rot, warp, split, crack, creep, support mold growth, or be eaten by termites and other insects
- **Dimensionally stable** – Does not expand or contract with moisture content
- **Consistent Material Quality** – No regional variance in composition performance. International standards, global requirements
- **Noncombustible** – Does not burn and will not contribute fuel to the spread of a fire
- **Earthquake Resistance** - Superior seismic performance due to steel's ductility.

The Evolution of ETICS

ETICS – External Thermal Insulation System

The evolution of ETICS through the past decade has been accelerated with advances in both chemical and cold formed lightweight steel engineering. Since the first large commercial project in South Africa in 2009, the ETICS system has been enhanced in every layer.

EPS sheets have been engineered and increased in density, and optional carbon composites can be added. The ETICS system plasters have been re-engineered to better suit aesthetic requirements and the final layer colour render ranges extended.

Light steel frame engineering has also grown from residential to mid-rise residential, office and commercial construction applications. The ETICS system has also been enhanced to include insulated tiled and glass facades.

Ohlhorst Light Building Solutions offers building envelope and high wall building technology with engineering and architectural design specifications throughout construction. This building system is nine times lighter, four times faster to construct, and 12 times more thermally efficient than conventional brick construction

Throughout the facade life-cycle, from design, construction, operation, maintenance, renovation, and demolition, both the materials and processes used are environmentally responsible and resource-efficient.



Alex Mall, 2016



Summit Place, 2017



Menlyn Mall, 2016