

# RESEARCH & DEVELOPMENT

Lysaght Galvanized Steel Berhad, has a core group of technical and engineering personnel, comprising experienced designers, day-to-day operation of the manufacturing facilities, project division for improving the efficiency and equipment, maintenance division, research and development for new products.

Lysaght Galvanized Steel Berhad is solely independent for design and development, having a team of in-house design engineers ensuring that its products are suitably designed to suit a wide variety of applications to meet the varying stringent international codes and standards. Over the years, our in-house design engineers have created specifically customized software packages coupled with advanced hardware systems incorporating state-of-the-art manufacturing facilities.



Certificate No. 10102870



Certificate No. PL006401  
Certificate No. PL006402



In-house Material Test Facilities



In-house Hot-Dipped Galvanizing Facilities



Pole/Mast Deflection Type Test



In-house Zinc Coating Thickness Verification



In-house Hot-Dipped Galvanizing Facilities

## ENERGY ABSORBING LIGHTING POLES



Test Vehicle approaching base of pole at 32km/hr



After Impact: the SAFE-T-POLE crumples



Pole is shredded by the impact



Conclusion of test: The pole does not shear off baseplate, reducing risk of injury

# STANDARDS

LYCORPOLE® Hot Dip Galvanized columns, masts and poles are designed and manufactured in accordance with BS EN 40, BS 6399-2, BS EN 10025, BS EN 1011-1, 2, Institution of Lighting Engineers Technical Report No. 7, AS 4100, AS 1170.2, AS 1798, AS 2979, AS/NZS 4676, AS/NZS 4677, AWS D1.1 and AASHTO Standard Specifications for Structural Supports for Highway Signs, Luminaires and Traffic Signals.

Hot Dip Galvanized to BS 729, BS EN ISO 1461, ASTM A123, ASTM A153 or AS/NZS 4680 is a standard feature. Where specified upon request, our Hot Dip Galvanized products can be enhanced with additional Powder Coating with oven baked PE-F polyester based powder to BS EN 13438 to withstand weather and UV resistance for anti-chalking and colour stability.



## CONTACT US

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# LYCORPOLE®

Impeccable Quality



**LYSAGHT MARKETING SDN BHD** (Co. No. 102382-M)

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## ABOUT US

Lysaght Galvanized Steel Berhad has been manufacturing galvanized steel poles and masts in Malaysia for over 30 years and is, today, one of Asia's eminent manufacturers and suppliers. A continuing commitment to research and development through technological excellence has earned the Lysaght Group an unrivalled reputation throughout the whole of Asia, including Australia and the Pacific Region.

Lysaght Galvanized Steel Berhad as one of Asia's dominant suppliers is expanding its manufacturing facilities to better service the fast growing regional and international markets.

Lysaght is certified to ISO 9001 Quality Management System by Lloyd's Register (Certificate ID No. 10102870) and has proven track record of quality and manufacturing excellence, winning both local and international trust and confidence.



## STREET LIGHTING COLUMNS

With the combination of durability, aestheticity and serviceability, LYCORPOLE® Street Lighting Columns are an apt choice for a large number of major freeways and housing developments.

LYCORPOLE® is manufactured to suit all types of luminaires with a large variety of spigot sizes available. Single or double bracket arms with projections ranging from 0.15 meters to 4.5 meters are available as standard, with triple or quadruple bracket arms available by arrangement.

To suit any environment LYCORPOLE® columns are available flanged mounted on concrete plinth or planted type for direct embedment into ground.

## HINGED COLUMNS

Because it is not always possible to use a raising platform, LYCORPOLE® also offers a full range of hinged columns which use a balanced hinge, mechanically winched, or a patented hydraulically-operated low hinge system in which the top column pivots to ground level for convenient maintenance of the luminaires.

To reduce maintenance costs and provide absolute simplicity of use, the hinged mechanism can be operated by one man, simply by unlocking a tamper-proof device and lowering the luminaires to the ground level.

## ANTENNA MASTS



## STADIUM MASTS

### THE EXQUISITE CHOICE

Elegant design and versatility affirm LYCORPOLE® an ultimate choice for a vast range of installations. Using industry-leading technology in construction, LYCORPOLE® provides technically advanced and versatile products capable of meeting the needs of a wide range of environments and specifications.

LYCORPOLE® columns, masts and poles adopt advanced technology to achieve a combination of distinctive construction and design. This means longer life expectancy and minimal maintenance, with an unsurpassed prominence to blend with any surrounding environment.

### PRODUCT RANGE

Acclaimed throughout the region, LYCORPOLE® has a carefully designed system of steel columns and masts that are ideal for any application, ranging in height from as low as 3 meters to a towering 60 meters. Our exclusive computer controlled design and manufacturing process also ensure smooth uniform taper from base to top, whatever the height.

This promotes LYCORPOLE® as an extremely popular and reliable choice in a vast range of settings, including outdoor floodlighting system, recreational and stadium masts, high voltage substation tubular structures, microwave antenna poles and flag poles. Lysaght Galvanized Steel Berhad also supplies a unique range of specialized customized architectural and decorative poles that complement the already dominant LYCORPOLE® range.

### DISTINCTIVE QUALITY CONSTRUCTION

The computer controlled design and manufacturing process of LYCORPOLE® ensure finished products are of consistently impeccable quality. Smooth uniform taper from base to top – whatever the height – means a more elegant and optimally designed columns and masts.

Both multi-faceted and round tapered steel poles are carefully engineered to ensure maximum strength while remaining lightweight complemented by hot-dip galvanizing to ensure a long and durable service life.

### ATTRACTIVE AND VERSATILE

A major feature of the LYCORPOLE® range is its impeccable design – slender and tapered – which makes LYCORPOLE® suitable to all industries, environments, and applications, from lighting traffic interchanges, highways, freeways, roads, air and sea port terminals, industrial security and amenity areas, through to warehouses, factories, hospitals, shopping complexes, sporting stadiums and recreational venues.

### EASY TO TRANSPORT

The advanced system that LYCORPOLE® utilizes makes it simple to transport. All columns, masts and poles can be supplied in separate sections that can then be assembled wherever you require, by an easy slip joint action.

For ease of handling, both on site and during transportation, LYCORPOLE® is the preferred choice.

## OVEN BAKED POWDER COATED UV RESISTANT DECORATIVE POLES

Decorative LYCORPOLE® provides a creative way to light up any area, from a house driveway to the entrance of the most prestigious office. Decorative LYCORPOLE® with its revolutionized approach to street furniture, with its sleek and stylish design available in a variety of styles and hot-dipped galvanized finish, further enhanced by Oven Baked Powder Coating with inherent UV Resistant to discoloration in a wide spectrum of colours and heights to suit any environment. A large choice of bracket arm designs allows exterior lighting to be customized to suit the environment. As decorative LYCORPOLE® is a unique product line, specifications and drawings are available on request.



## HIGH MASTS

The LYCORPOLE® High Mast range is specifically designed for projects requiring high lighting masts, from 16 meters through to 60 meters. Taller masts can be custom designed on request.

For ease of use, the High Mast range enables maintenance of luminaires to be carried out at the ground level. The carriage is robustly engineered around a patented three-point self-latching and unlatching system for stability and is raised and lowered by either a manual or solid state electrically controlled winch with safety devices.

LYCORPOLE® High Masts incorporate a patented self-latching system which secures the ring in position at mast-top, relieving all stresses from the stainless steel wire ropes. This provides a secure and extended service life for the High Mast.

