



# MOBILE ROLLFORMING

We're Your Best Partner for Your Roofing/Walling Solution



There's a fast growing list of major projects where our state of the art mobile roll forming has turned architectural challenges into opportunities. For long building design options have been limited by the logistics of steel roof sheeting delivery.

Lysaght® roofing solutions provide various long length profiles that becomes popular choice for sport facilities, shopping centres, factories, warehouses, and other projects where long roofs unbroken by steps or expansion joints are required. It bold ribs and flat pans provide an architectural feature as well as a functional roof with clean lines and wide cover, uncluttered by visible fixing screws.

Now BlueScope Lysaght mobile roll forming equipment with direct to roof capability adds a whole new range of Lysaght® roofing solutions design possibilities, as well as to create a roof that meets our customer requirements for quality, cost effectiveness and durability.

**If u can imagine it, we can roll it**

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# Long Length Roofing : Part of a Great Solution

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We're Your Best Partner for Your Roofing/Walling Solution



BlueScope Lysaght's mobile roll forming offer provides not only the benefits of Lysaght® roofing solutions but numerous other advantages for greater design possibilities.

LYSAGHT® FLEX-LOK™



LYSAGHT ULTRA RIB®



LYSAGHT SPANDEK®



LYSAGHT® TRIMDEK OPTIMA®



LYSAGHT® TRIMDEK®



LYSAGHT® KLIP-LOK OPTIMA®



LYSAGHT SPANDEK OPTIMA™



With high performance profiles, enables long spans, and extremely long runs. With no exposed fasteners, the sheets provide a clean, smooth finish to the roof.

Well suited for commercial applications given its wide cover, concealed fixed it allows long sheets to expand and contract without compromising the roof's watertightness. So, not only can a better looking building be achieved with long sheets, but the absence of step joints minimises leakage problems and annoying call-backs for both the contractor and building owner.

Our mobile rollforming technology maximises the cost and efficiency advantages that come with milling sheets on site, because often a single sheet can be used to cover the entire length of a roof.



## Benefits



The elimination of transportation challenges, step joints, minimising the possibility of leaks and the long clean lines while reducing the number of purlins required to support cladding are obvious benefits to the combined of Lysaght long length profiles and mobile rollforming offer. The speed of installation is greatly increased and that has obvious attractions for roofing contractors.

Some of the benefits of BlueScope Lysaght's Mobile Rollforming offer:

- Roll to ground or roll to roof options providing flexibility to meet your design and application requirements
- Experienced BlueScope Lysaght staff for assistance throughout entire project
- Ability to supply long lengths without joints - 1 to 320 metres - it's all possible
- Elimination of step and expansion joints reducing purlin requirement, labour, installation time, ongoing maintenance requirements and potential for leaks.
- Construction cost savings
- Fewer transport and site handling issues
- Reduced crane costs lifting roof sheeting to roof
- Less product handling preserves 'mint' condition of cladding
- Products scheduling matched to labour scheduling
- Potential for shorter installation time frame
- Cost reduction through elimination of step joints
- Concealed fixing system overcomes thermal expansion challenges
- Less ongoing maintenance issues and cost savings



# Lysaght Roll On Site Improved

- **Mobile Elevated Roll Forming**



- **Roll Forming On Top**



- **Fix Base Elevated Roll Forming**



- **On Ground Roll Forming**



- **Smooth Curving**



## Project References using Mobile Rollforming

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### Project : Holcim Tuban Factory I & II

Owner : Dinas Perhubungan

Lysaght product installed : LYSAGHT FLEX-LOK™ 0.60 MM TCT (0.55 MM BMT) COLORBOND® XRW SONATA BLUE

#### Background :

Curvy design, strong wind and limited site area are quite challenging. With the additional of fast construction time schedule. LYSAGHT SPANDEK® 0.65 mm BMT is the choice to answer those challenges. Using COLORBOND® XRW Off White material, added value to material durability and clean look on the factory's roofing & cladding

#### Solution :

To speed up the construction time, the material need to produce in specific length and fast. This is a call for Lysaght Roll on site services. With limited area on site, this is a big challenge.

Working together with PT Bangun Sarana Baja a well known steel fabricator in Indonesia, Lysaght come up with a roll on top method. A steel rig provided to lift up the machine to 12 metres height. Allowing it to produce each sheet and directly place it closer to the roof. This method eliminate the need to have are on the ground for finish product.

### Project : Domine Eduardo Osok Airport, Sorong, Papua

Owner : Dinas Perhubungan

Lysaght product installed : LYSAGHT FLEX-LOK™ 0.60 MM TCT (0.55 MM BMT) COLORBOND® XRW SONATA BLUE

#### Background :

Domine Eduardo Osok (DEO) Airport, located 8 km from the city of Sorong, is the largest and busiest airport on the Bird's Head Peninsula. As part of airport development program, in 2014 The Office of Transportation Service started the construction of a new terminal. Designed by Indrakila Architect, the new terminal displays an elegant convex concave curved roof. To produce roof for a large scale project is not a difficult thing, but making it curved accurately to fit the structure is one task that needs to be done properly, especially when the project is quite far on this eastern part

#### Solution :

LYSAGHT FLEXLOK™ 0.60 mm TCT (0.55 mm BMT) COLORBOND® XRW SONATA BLUE is chosen as the roof cover. It's capability to curve in both convex and concave makes it a perfect choice.

With roll on site method, the contractor no need to worry about getting problem with defect during transportation. With the machine brought to site, each roof sheets are guaranteed to arrived at the location in good shape the second they came out of the machine.



## Other Lysaght projects using Mobile Rollforming services

### Jakarta and its surrounding areas

- International Convention Expo, BSD City
- Indo Japan Wire Produc, Karawang
- Jakarta Expo kemayoran hall B dan C
- Gajah Tunggal Plant, Tangerang
- Fontera Cikarang
- Putera Baja Deli cilegon
- IFF Factory, Karawang
- Lion Superindo Distribution Centre, Tangerang
- Perluasan bandara Soekarno Hatta terminal 3 ultimate
- Indofood Asahi Mas Plant
- YCH Distribution Logistic, Cibitung
- DAMCO Logistic, Cakung
- AHM Plant, Cikampek
- Plaza Soreang, Bandung
- Others : Giant (extra jatimakmur, extra dramaga, extra manado), Transmart (Cikokol dan cibiru), Argha Karya Prima Industri Bopp line 7 citereup, Milko kalbe farma ciherang, warehouse artha griya kitic (1, 2 dan 3), warehouse delta silicone artha griya 3, warehouse kitic edy, Nava Country Club BSD, Octo Corindo Sarana cikarang

### Makassar, Surabaya and its surrounding areas

- Holcim Indonesia - Tuban Plant
- Platinum Ceramic Plant Wringin Anom
- Stadion Barombong, Makassar
- Airport Hasanuddin, Makassar
- Airport Deo, Sorong
- Arwana Ceramic Plant Mojosari
- Roman Ceramic Plant Mojokerto
- Indolakto Plant Purwosari
- Insera Sena (Sepeda Polygon)
- Ciputra World Surabaya Mall
- Grand City Surabaya Mall
- Surabaya Town Square
- Nestle Indonesia Plant Pasuruan
- Marvell City - Surabaya
- Timur Jaya Steel
- Dyandra Expo (Gamedia Expo)
- Deteksi Basket League
- Lotus Indah Textile
- Sampoerna Pandaan
- Others : Sygenta, BISI, Gelora Bung Tomo, Giant Waru, Giant Diponegoro, Softex Indonesia, Bambang Djaja, Djarum Kudus, Easterntex, Rama Gloria Textile, dll.



Indonesia Convention Exhibition, BSD Bumi Serpong Damai Alam Sutra Tangerang Banten



Birta Waringin Mall, Bintaro, Tangerang Banten



Airport Domine Edouard Osok, Sorong, Papua



Plaza Soreang, Bandung Jawa Barat



Stadion Barombong, Makassar



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