

Cmar-apr 2021 NTENTS

Features

PROJECTS - Industrial Buildings

- 38 Comapa Ham Factory A project by Mapei
- 40 Jakob Factory
- 44 Cangzhou Mingzhu International Clothing Industry Characteristic Town
- 48 Tofu Factory
- 52 Filter Life Factory
- 56 Hankook Technodome
- 60 Stonex India Industrial Complex
- 66 Automated Warehousing Facility

MECHANICAL, ELECTRICAL & PLUMBING SYSTEMS

70 News and projects

TRENDS - Drones in Architecture

74 Interviews with architects: How drones can be used in architecture, the challenges and the trends ahead

Regulars

NEWS

6 News from Asia Pacific, Middle East & the World

EVENTS CALENDAR

79 Guide to international trade shows and conferences



On the Cover: Jakob Saigon Factory, Vietnam. Photo: © Hiroyuki Oki, courtesy of G8A Architects.

Cover design by Fawzeeah Yamin

Scan QR Code



or visit our website http://seab.tradelinkmedia.biz

Connect with us!



www.facebook.com/ southeastasiabuildina



www.twitter.com/ SEA_Building



www.instagram.com/ southeastasiabuilding

PUBLISHER

Steven Ooi (steven.ooi@tradelinkmedia.com.sq)

ASSOCIATE PUBLISHER

Eric Ooi (eric.ooi@tradelinkmedia.com.sg)

FDITOI

Amita Natverlal (seab@tradelinkmedia.com.sg)

MARKETING MANAGER

Felix Ooi (felix.ooi@tradelinkmedia.com.sg)

HEAD OF GRAPHIC DEPT/ADVERTISEMENT CO-ORDINATOR

Fawzeeah Yamin (fawzeeah@tradelinkmedia.com.sg)

CIRCULATION

Yvonne Ooi (yvonne.ooi@tradelinkmedia.com.sg)

Disclaimer

All advertisers and contributors must ensure all promotional material and editorial information submitted for all our publications, must be free from any infringement on patent rights and copyrights laws in every jurisdiction. Failure of which, they must be fully liable and accountable for all legal consequences (if any) that may arise.

The Editor reserves the right to omit, amend or alter any press release submitted for publication. The publisher and the editor are unable to accept any liability for errors or omissions that may occur, although every effort has been taken to ensure that all information is correct at the time of going to press. No portion of this publication may be reproduced in whole or part without the written permission of the publisher.

The editorial contents contributed by consultant editor, editor, interviewee and other contributors for this publication, do not, in any way, represent the views of or endorsed by the Publisher or the Management of Trade Link Media Pte Ltd. Thus, the Publisher or Management of Trade Link Media will not be accountable for any legal implications to any party or organisation.

Southeast Asia Building is available free-of-charge to applicants in the building industry who meet the publication's terms of control. For applicants who do not qualify for free subscription, copies will be made available, subject to acceptance by the publisher, for a subscription fee, which varies according to the country of residence in the following

Annual Subscription

Airmail: America/Europe – S\$185, Japan, Australia, New Zealand – S\$185, Middle East – \$185, Asia – S\$155, Malaysia / Brunei – S\$105

Surface mail: Singapore - S\$60 (Incl 7% GST Reg No.: M2-0108708-2)

Printed in Singapore by Fuisland Offset Printing (S) Pte Ltd MCI (P) 071/07/2020 KDN No: 1560 (1270) - (6) ISSN 2345-7066 (Print) and ISSN 2345-7074 (E-periodical)

Trade Link Media Pte Ltd also publishes:

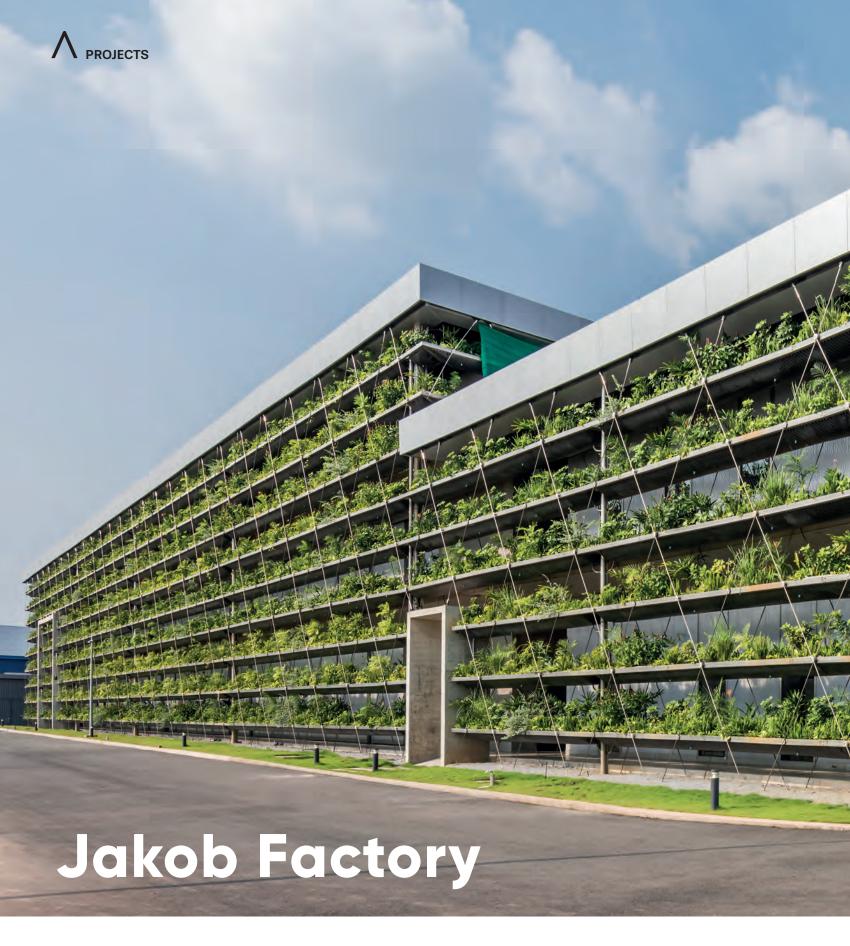
- Bathroom + Kitchen Today
- Lighting Today
- Security Solutions Today
- Southeast Asia Construction

SOUTHEAST ASIA BUILDING is published bi-monthly by:
Trade Link Media Pte Ltd, 101 Lorong 23, Geylang,
#06-04, Prosper House, Singapore 388399
Tel: +65 6842-2580 Fax: +65 6842 2581
Editorial e-mail: seab@tradelinkmedia.com.sg
Website: www.tradelinkmedia.com.sg
Co. Reg. no: 199204277K

Exclusive Media Representative for China and Hong Kong S.A.R.

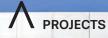
Judy Wang

Worldwide Focus Media Co., Ltd Flat / Room O2, 7th Floor, SPA Centre No. 53 – 55 Lockhart Road, Wanchai Hong Kong S.A.R. China E-mail: judy@worldwidefocus.hk



THE DESIGN PARTNERSHIP OF ROLLIMARCHINI ARCHITEKTEN FROM BERN AND SWISS-BORN G8A ARCHITECTS HAS CREATED AN INNOVATIVE AND SUSTAINABLE FACTORY FOR JAKOB ROPE SYSTEMS.







he Jakob Factory project offered the design partnership of rollimarchini architekten from Bern and Swiss-born G8A Architects the unique opportunity to propose a highly innovative and highly specific manufacturing space, set to become a design reference for tropical sustainable architecture.

The factory houses the specialist steel rope producers Jakob Rope Systems, a high-quality manufacturing organisation, specialising in custom made steel meshing used for scales of private to industrial usage. The partnership of organisations applied their pillar value of sustainability, both environmental and social, to all phases of the design process, from conception execution and projected project developments.

The 30,000 square metres site area is placed in the centre of an industrial park 50 kilometres north of Ho Chi Minh City, the economic capitol of Vietnam. Ever since Vietnam's economic reform in 1986 the country has seen a grappling rise in national GDP, with industries and populations moving from a primarily agricultural industry to a focused industrial practice. The past 10 years has seen the doubling of industrial parks constructed on city outskirts from the North to the South of the country.

With lightning speed, little regulations and priorities focused on economic gain rather than environmental impact, many of these zones have witnessed highly polluting and detrimental construction practices, transforming the previously porous land to large zones of impermeable slab development.

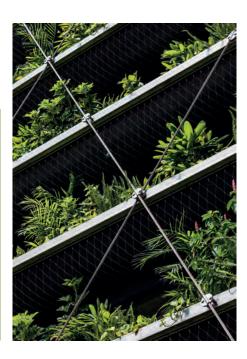
Proposing an environmentally friendly alternative to the typically horizontally spread manufacturing buildings. Jakob Factory offers an innovative vertical densification strategy, stacking the usable zones on superimposed slats. This robust design avoids unnecessary ground usage negating needless land development, while also offering workers agreeable outdoor spaces. However, the proposition necessitates the imposing facades taking on important functions; having to provide both shading and rain protection, a service previously asked from roofing. Taking reference from the traditional tropical architecture of the

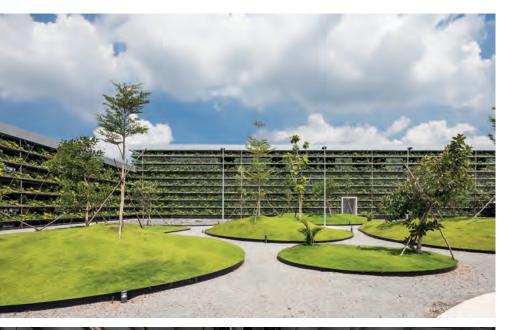


Grégoire Du Pasquier. Photo: © Federal Studio, Régis Golay.

"The Jakob Factory proposal was seen as a unique opportunity for rollimarchini and G8A to propose an alternative to these detrimental practices, presenting a strategically land saving project with focus elements of passive design."

- Grégoire Du Pasquier, G8A Architects Partner











region the design has developed with porous facade devised as a lush-plantation "skin", the suspended structure is supported by a two-layer rope network stretched from the ground to the roof. The horizontal geotextile planters not only filter rain and sun, but also contribute to lowering the atmospheric temperature through evaporation, acting as air purifiers and dust particle binders.

The intelligent distribution of work spaces combined with the plantation facade and completely modular interior walls provide a comfortable working space, a pioneering initiative as Jakob Factory becomes the first project in Vietnam proposing completely naturally ventilated manufacturing halls.

PROJECT DATA

Project Name: Jakob Factory

Location: Ho Chi Minh City, Vietnam

Client: Jakob Rope Systems

Architecture Firms: G8A Architects and

rollimarchini architekten

Site Area: 30,000 square metres

Built Surface Area: 13,000 square metres

Completion: 2019 Photos: © Hiroyuki Oki