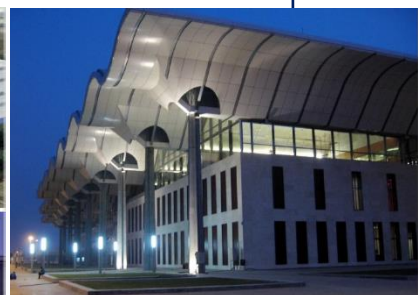
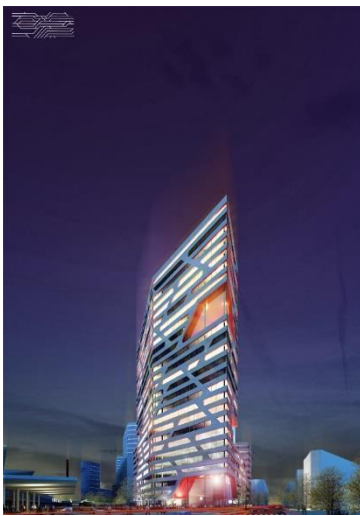


80 YEARS

80 YEARS



Southeast Asia



1936 Prof. Dr. Agatz published a textbook for elementary and seminal for hydraulic engineering entitled *The Battle of the Engineer to Earth and Water in Foundation*

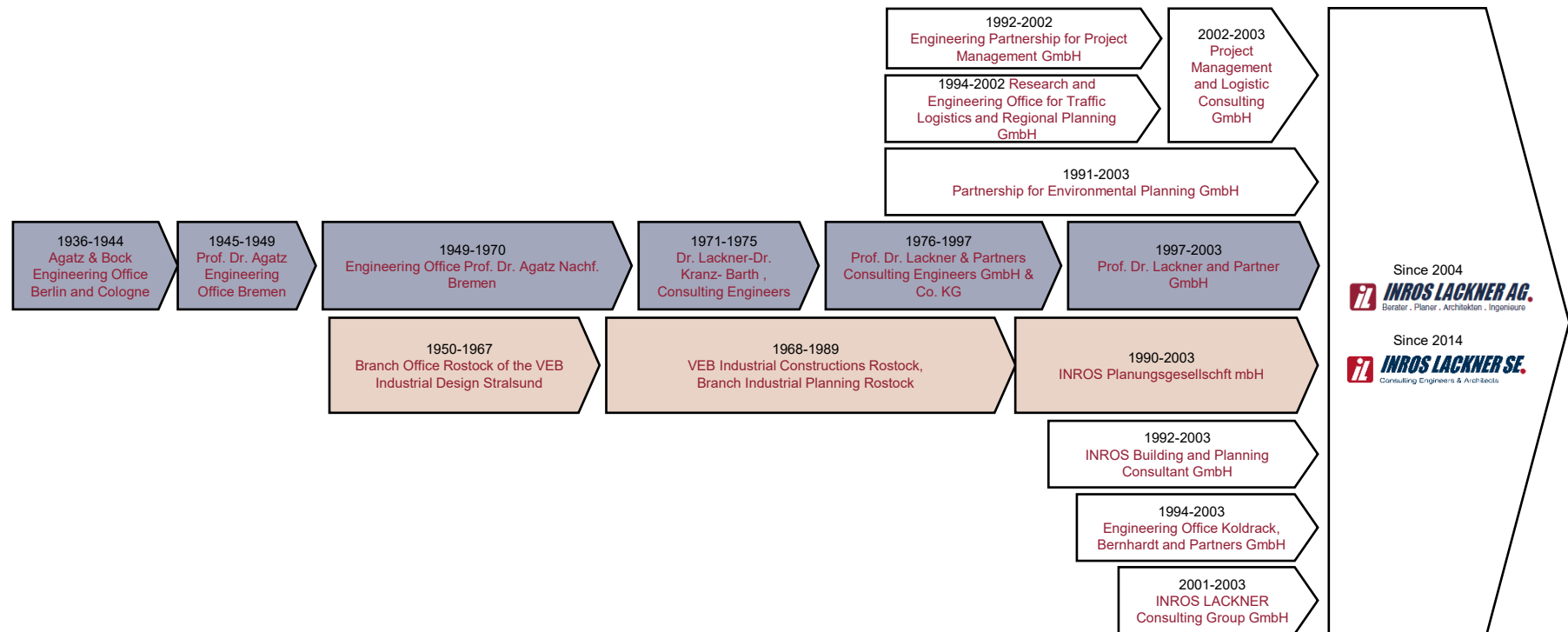
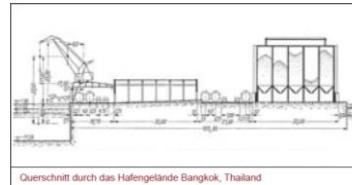
1937 First international contract, expansion of the seaport in Bangkok, Thailand

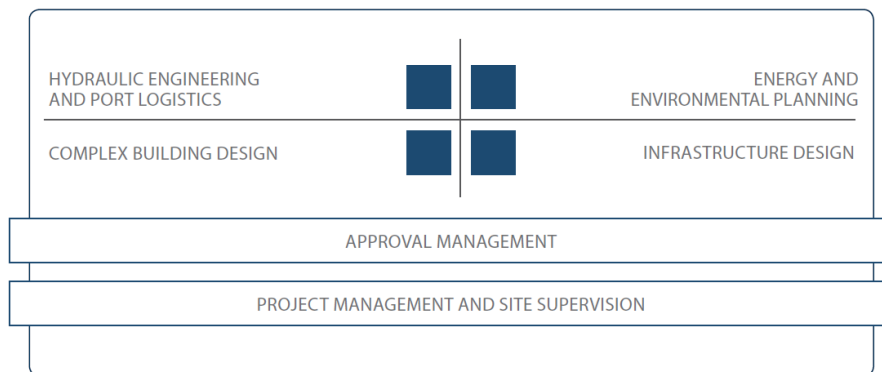
2002 Foundation of Inros Lackner Cambodia

2004 First project in Vietnam, the National Convention Centre Hanoi, Vietnam (joint venture with gmp)

2008 Foundation of Inros Lackner Vietnam LLC

2015 Completion of National Assembly House in Hanoi





Employees

A prerequisite of successful development is a high professional qualification. Experience is passed on and expanded. Today, over 600 employees work at more than 20 national and international locations and are responsible for the development and implementation of projects. They use consolidated, in-depth technical and specialist knowledge that ultimately is the key to success. Education and training play, therefore, an important role, as does promoting intercultural education as well as team and communication skills.



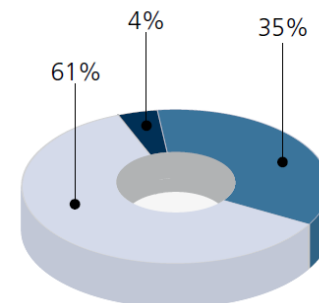
Quality management

Guaranteeing quality is a continuous process. Our internal quality management system is certified in accordance with D IN EN ISO 9001-2008

Design from a single source

We offer a wide range of expertise, which has continuously been expanded throughout the company history. We provide services in the fields of hydraulic engineering and port logistics, integrated building design, energy and environmental design and infrastructure design.

-  Engineers/ Architecture
-  Corporate Management
-  Technical and Commercial Staff Members



“The quality of our design is based on connecting multiple key competences from the areas of structural, hydraulic, transportation and civil engineering as well as approval and project management ”

il Locations and affiliated companies

The decentralized company structure with numerous locations, affiliated companies and international offices combines local expertise and international knowhow.



il International offices

INROS LACKNER (CAMBODIA) CO LTD (ILKH) is an affiliated company of **INROS LACKNER SE** of Germany. ILKH was founded in 2002.

ILKH has been providing civil and structural engineering services to public and private sector clients in Cambodia, Vietnam and Germany and currently employs 40 engineers and technicians.

INROS LACKNER VIETNAM LLC (ILVN) was established in 2008 under the Investment Law of Vietnam as a 100% foreign invested company by its sole Investor **INROS LACKNER SE**, Germany.

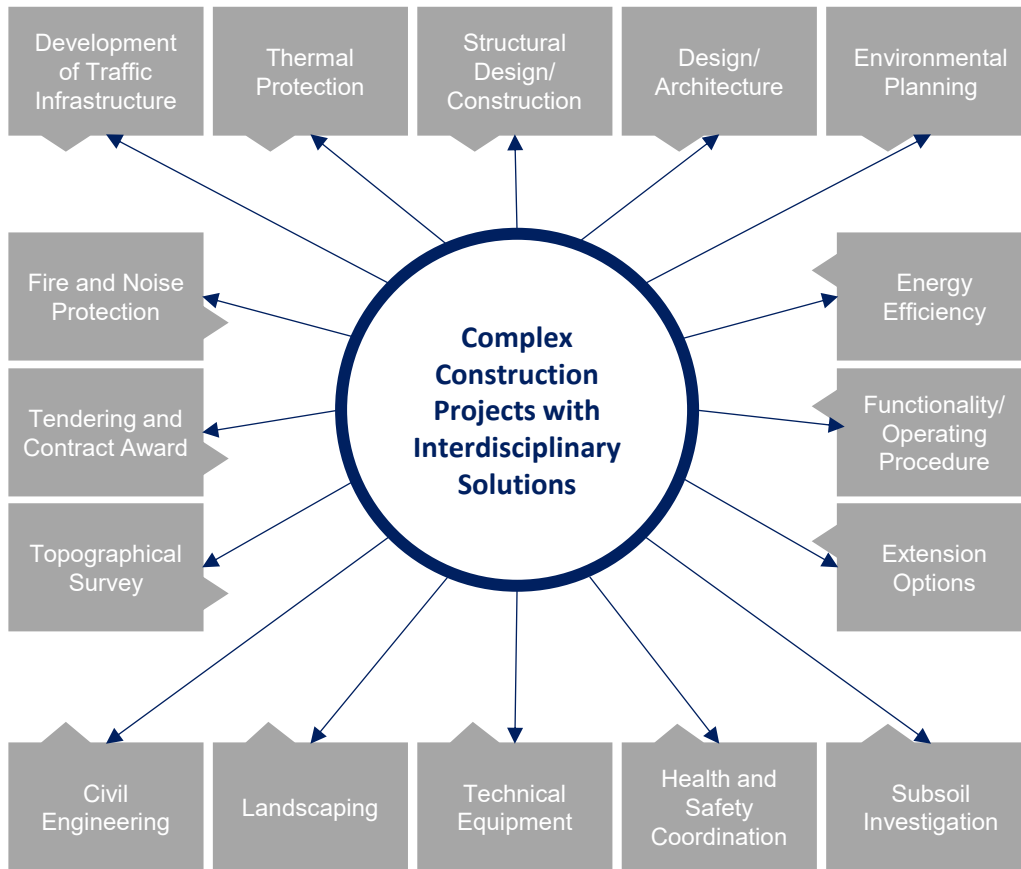
ILVN has been providing architectural and mechanical & electrical design and supervision services for projects in Vietnam, Cambodia and Germany. ILVN currently employs 35 architects and engineers.

The combined experience and expertise of **INROS LACKNER SE**, **INROS LACKNER VIETNAM** and **INROS LACKNER CAMBODIA** puts us in the position to offer a wide range of engineering consultancy services in Asia.

The services provided by **INROS LACKNER** include:

-  **Architectural design & supervision services**
-  **Civil and structural design & supervision services**
-  **MEP design and supervision services**
-  **Topographic Survey and Digital Terrain Modelling**
-  **Geotechnical Investigation**
-  **Pile Testing**
 - Industrial/ Commercial buildings
 - High-rise buildings/Residential buildings/Office buildings/Hotels
 - Convention/ Exhibition
 - Hospital buildings
 - Institutes/ Laboratories
 - Educational buildings
 - Sport facilities

il Specialized and master planning



il Hydraulic engineering and port logistics

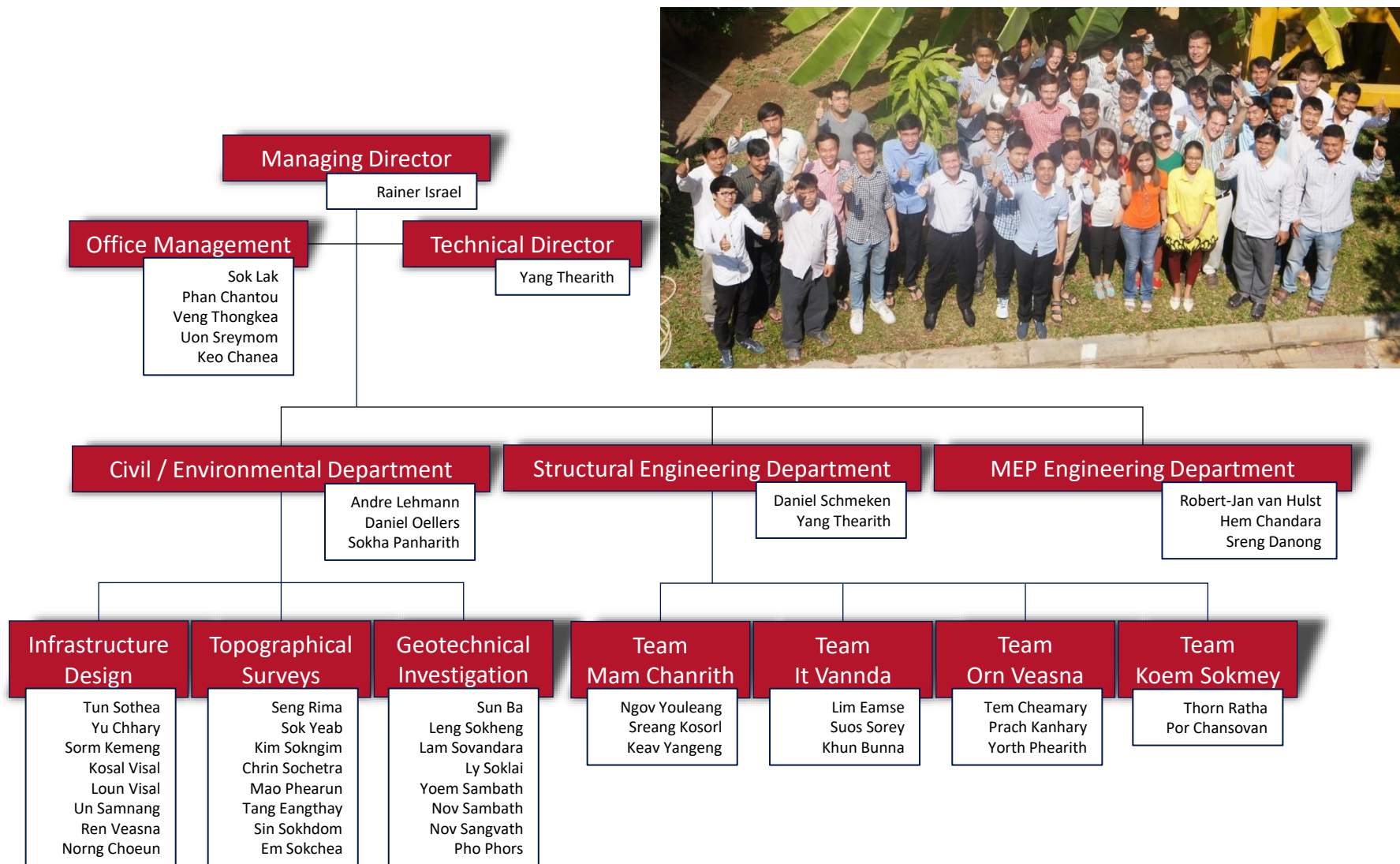
- Seaports and River ports
- Flood Protection / Dykes
- Inland waterways
- Flood retention basins
- Locks/ Weirs/ Barrages
- Marinas/ Jetties
- Shipyards
- Breakwaters
- Transshipment platforms
- Offshore structures
- Coastal protection structures

il Integrated building design

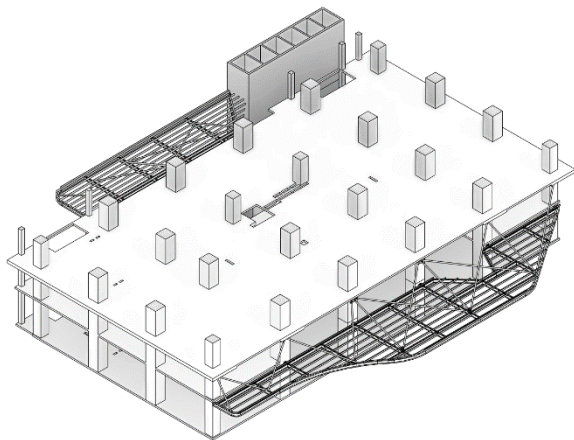
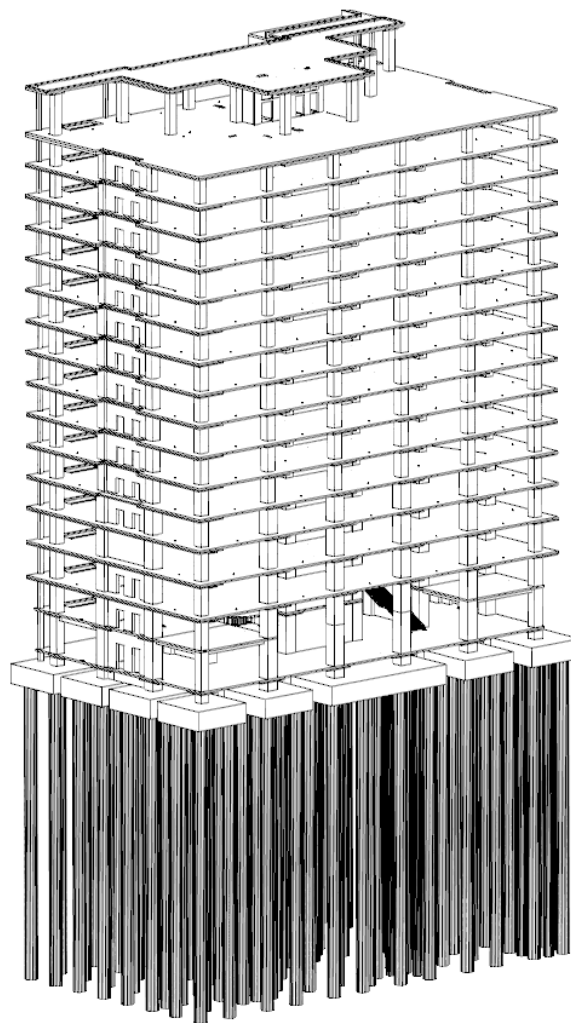
il Energy and environmental planning

il Project management and site supervision

il Infrastructure design



Selected References Cambodia & Vietnam



DPCG Headquarter Phnom Penh, Cambodia

Project Description

The Daun Penh Cambodia Group Headquarter building is located along Hun Sen Blvd, in a newly developing area south of Phnom Penh. The project was planned to house all group's subsidiaries and office spaces for rent. The 17-storey building has a gross floor area of around 24,000 sqm. The load bearing structure of the building is made of post-tensioned floor slabs, supported by reinforced concrete columns which are resting on bored pile foundations

GFA: 24,000 sqm

Scope of service: Structural Design Review, Design for Structural Modification, Design of New Lift Shafts

Investor: DPCG

National Water Resources Data Management Center Cambodia



Project

Construction of a five-story office building with a floor area of 8,880 m²

Client

Royal Government of Cambodia,
Ministry Water Resources and
Meteorology

Finance Agency

ADB Loan No. 3877-CAM

Implementation

2022 - 2024

Scope of Service

Structural building design
Preparation of tender documents
Supervision of structural works

Total Investment

US\$ 7,500,000



Techo International Airport

Phnom Penh, Cambodia

Project Description:

Construction of a 4F-class airport on an area of 2,600 hectares in the Kandal Province south of Phnom Penh.

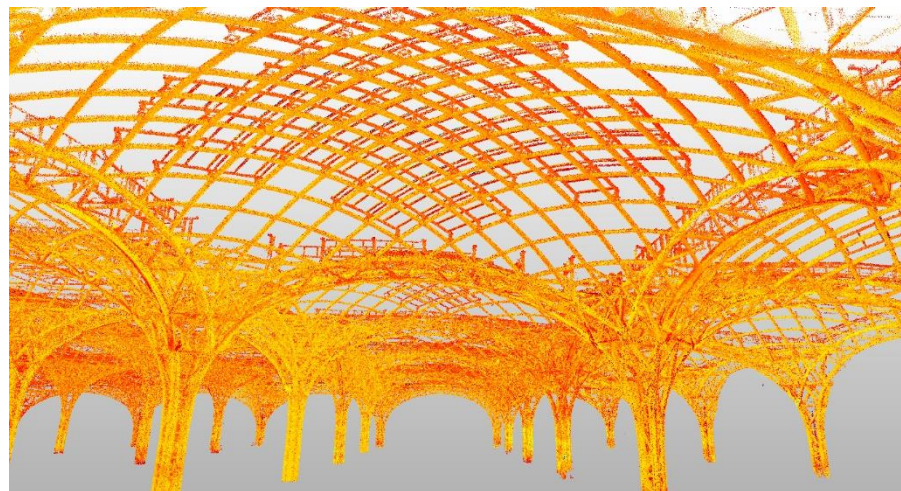
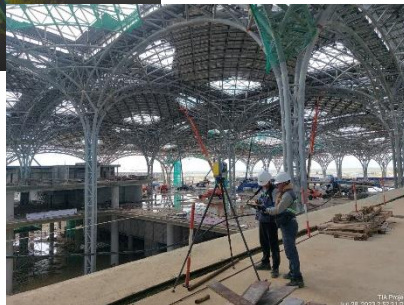
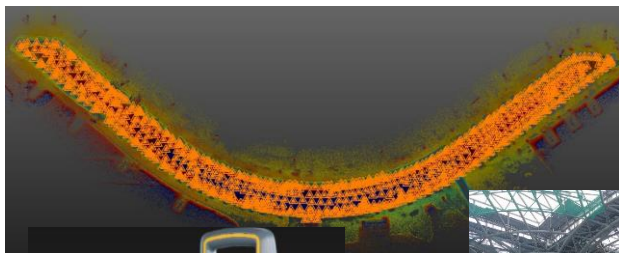
Investment volume: 1.5 Billion USD

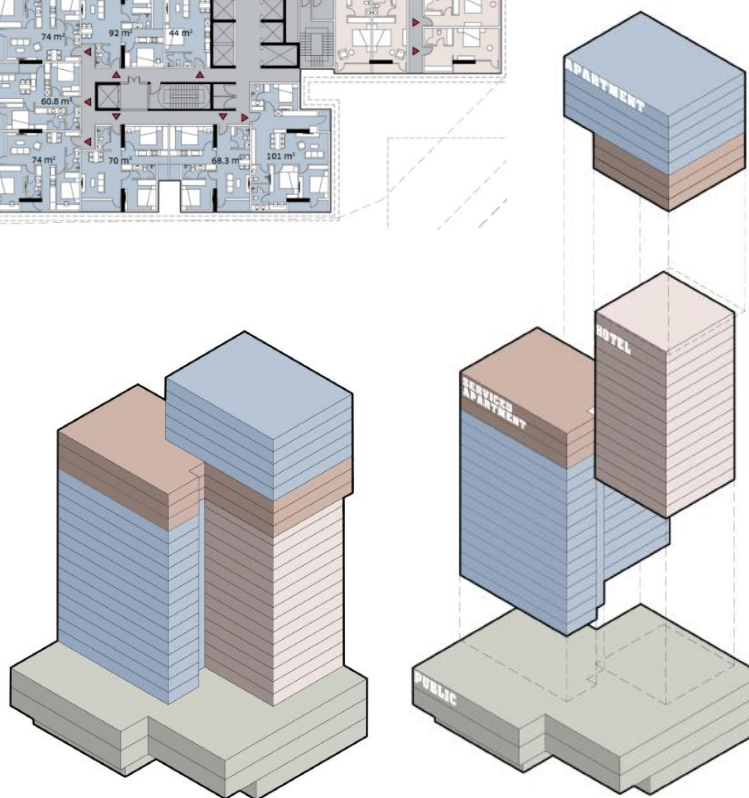
Scope of services by ILKH:

- 3D laser scan of the supporting steel structure of the Head House and the Northwest Pier
- Editing and processing of point cloud data
- Generation of a 3D surface model of the steel structure

Client: LBL International Construction Co., Ltd.

Year: 2023





Apartment Serviced Apartment Public Hotel

Sunset Tower Tay Ho Hanoi, Vietnam

Project Description:

Mixed-use 25-storey development featuring retail areas, offices, serviced apartments and a hotel

Developer:

Pacific Land Vietnam Ltd

Service by Inros Lackner:

- Review of existing building foundations
- Architectural, structural and MEP concept design

Year: 2016 - 2017

Giang Vo Complex Hanoi, Vietnam



Project Description:

Mixed-use 19-storey twin tower development featuring retail areas, offices and a hotel

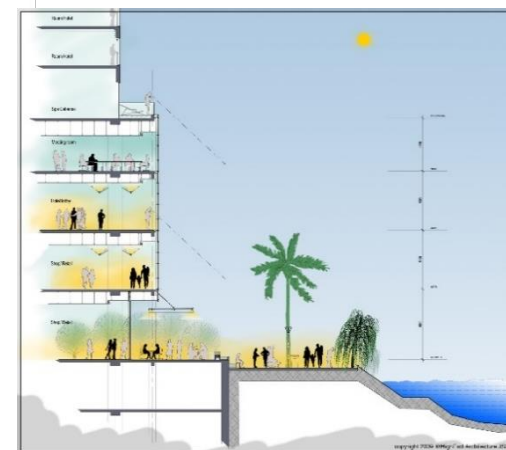
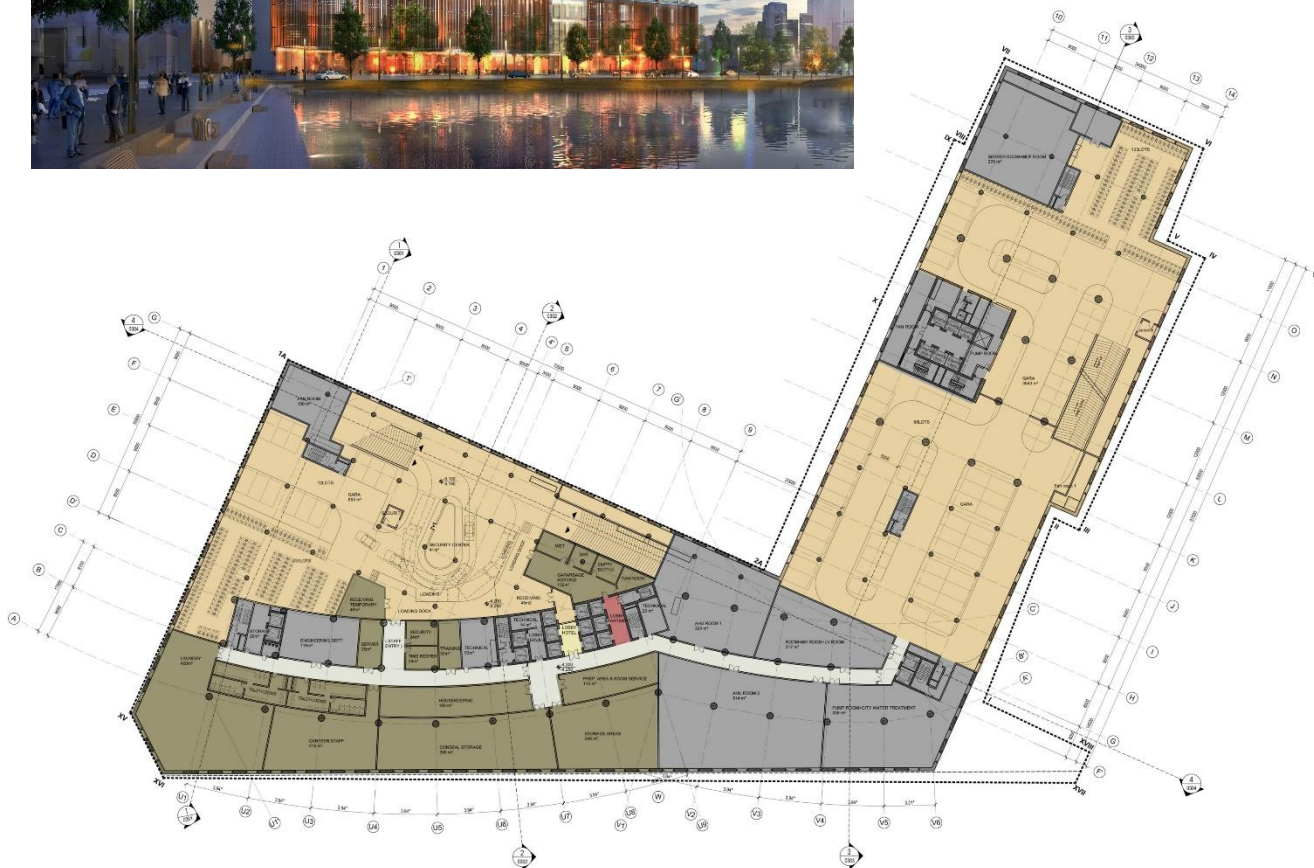
Developer:

Pacific Land Vietnam Ltd

Service by Inros Lackner:

Architectural, structural and MEP design from concept to construction, author supervision services

Year: 2016 - present



THE ZEI

**40-storey mixed uses development
Hai Dang, Vietnam**

Project Description (by owner) :

"The Zei - a "vertical city", fully integrated utilities for a modern, vibrant life. The Zei brings an energetic and inspiring living space with an endless green space from the first floor to the top of the building and a series of high-class utilities, serving all needs of work, play and entertainment, eating and drinking of residents"

- 4 floors of shopping centers
- CGV cinema
- 4-season swimming pool 700m2
- Modern gym, yoga and spa area
- Coworking Space
- Zen Space on the rooftop is surrounded by lush gardens
- Children's playground, sports ground, outdoor BBQ area
- Spacious green parks on the roof and every 3 floors of the apartment, green hanging gardens

Developer:

Finko-IDA Co. Ltd.

Service by Inros Lackner:

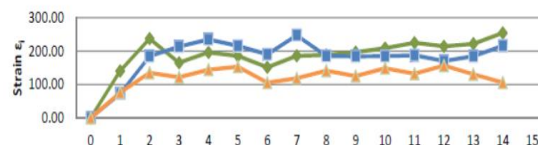
Independ third-party review on behalf of the developer of:

- Structural building design
- Mechanical, electrical and plumbing design

Year: 2016 - 2017



Exchange Square Phnom Penh Cambodia



Project Description:

Grade A mixed-use development with 20-storeys and 4 basement levels

Developer:

Hongkong Land (Cambodia) Ltd

Design:

Arup, Aedas Hong Kong

Contractor:

POSCO E&C

Service by ILKH:

Survey and design of storm water drainage system;
Subcontractor services to POSCO E&C:

- Structural design of all temporary works,
- Monitoring of excavation and lateral support (ELS),

Year: 2014 - 2016

KMH Park Phnom Penh, Cambodia



Project Description:

50-ha mixed use development with shopping mall, offices and residential buildings.

Client:

Urbanland City Development

Project Manager:

Urbanland Asia

Architect:

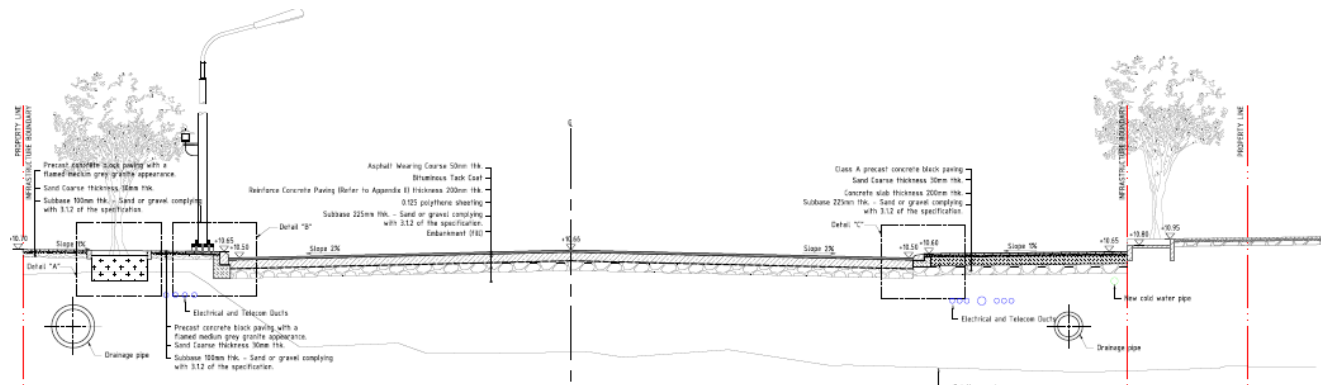
HKA & Partners

Service by Inros Lackner:

Concept, detailed design and tender documents for:

- Earth- and demolition works
- Pavements
- Stormwater drainage
- Wastewater drainage
- Fresh water distribution
- Electrical and telecoms ducting
- Street lighting

Year: 2019 - 2020



CHANKIRI PALM CREEK

Phnom Penh, Cambodia



Project Description:

Development of a residential area on 13 ha of land located in Khan Dangkor in Phnom Penh.

Client:

URBANLAND HOMES CO., LTD

Project Manager:

Urbanland Asia

Architect:

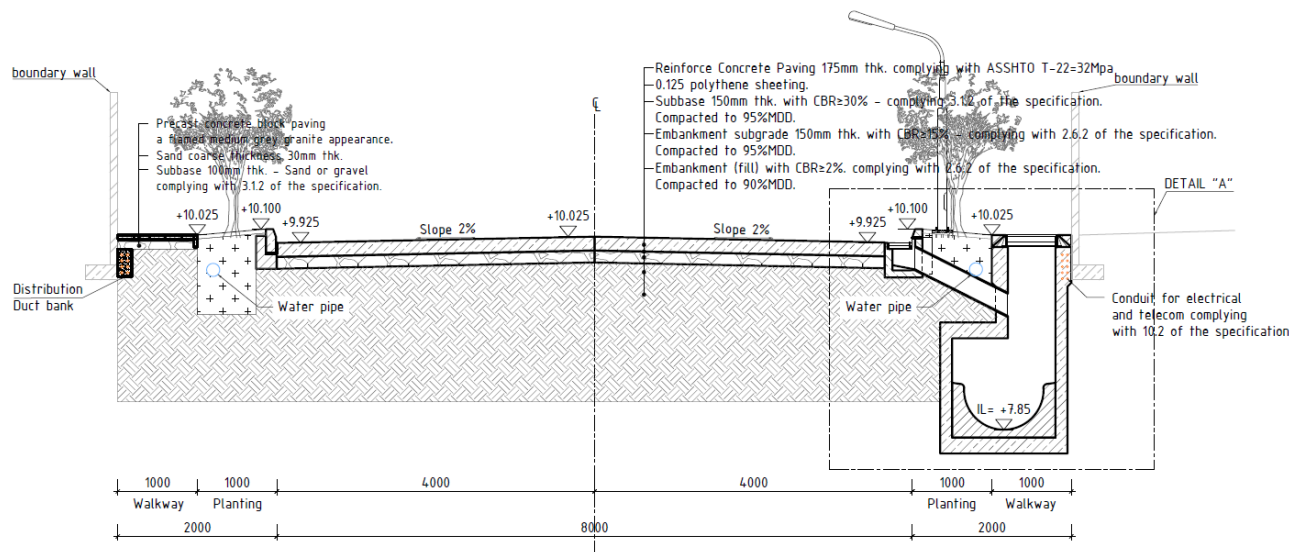
HKA & Partners

Scope of services by ILKH:

Feasibility project study for civil infrastructure,
Concept, detailed design and tender documents for:

- Earthworks
- Pavements
- Stormwater drainage
- Wastewater drainage
- Fresh water distribution network
- Electrical and telecoms ducting
- Street lighting

Year: 2019 - 2021





Residence 90 Phnom Penh, Cambodia

Project Description:
Housing development with 90 villas
on a 2.7 ha plot of land at the
Phnom Penh City Centre

Developer:
Lifestyle Creations Limited

Service by Inros Lackner:
Review of architectural concept,
Schematic and detailed
architectural, civil, structural & MEP
design services

Year: 2014 - 2016





ACLEDA Bank Headquarter Extension Phnom Penh, Cambodia

Project Description:

20-storey office building with four basement levels

Client:

ACLEDA Bank Plc

Architect:

Aedas Vietnam

MEP Engineer:

Optima Consultants

Service by Inros Lackner:

Civil and structural engineering for following project stages:

- Feasibility study;
- Concept design;
- Schematic Design;
- Detailed design;
- Author supervision.

Year: 2011 - 2015



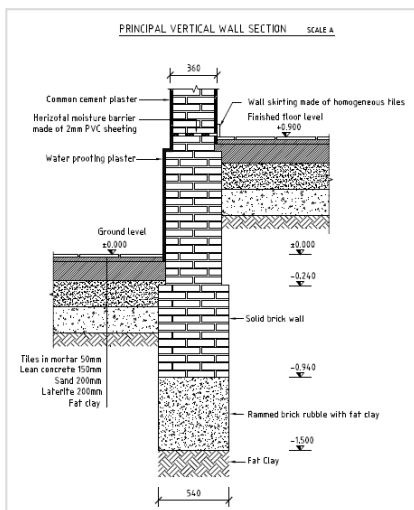
Residence of the Australian Ambassador Cambodia

Project Description:
Assessment of colonial building

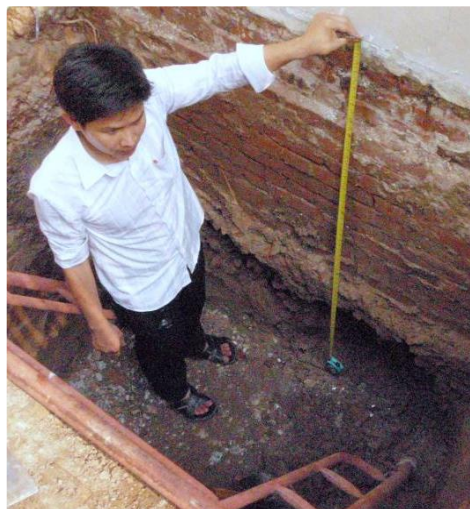
Client:
United Group Ltd

Scope of Service by IL:
Assessment of rising damp in masonry walls,
Preparation of rehabilitation concept,
Monitoring of moisture content in walls

Year: 2010 - 2013



Design of rehabilitation works



Investigation of building foundations



Sampling of wall material for laboratory testing



Central Mansion Phnom Penh Cambodia

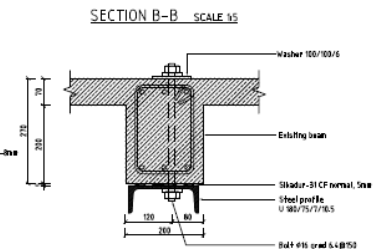
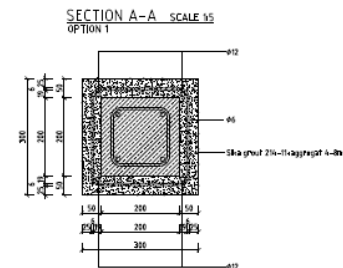
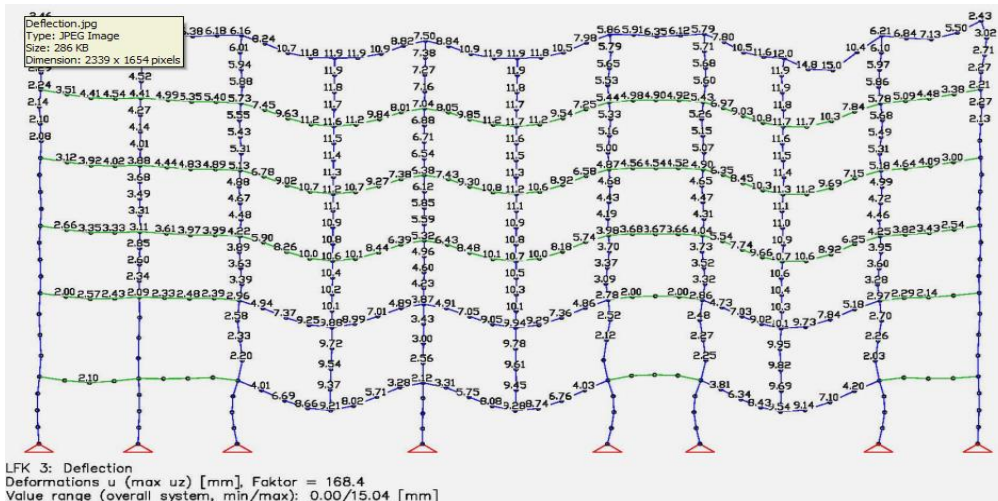
Client

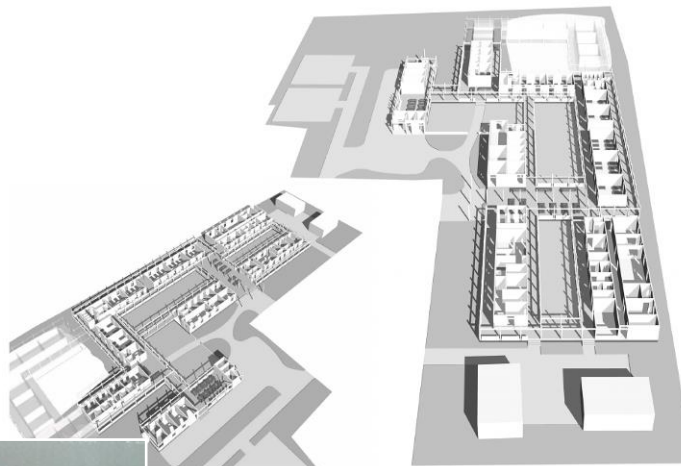
Hongkong Land (Cambodia) Ltd

Scope of Service

1. Structural survey and investigations
2. Structural design for modifications and strengthening measure
3. Author supervision of structural works

Year: 2011 - 2013





Takeo Eye Hospital

Takeo, Cambodia

Project

Rehabilitation of 80-bed Takeo Eye Hospital, Cambodia

Client

Caritas Cambodia
Financed by Christian Blind Mission and AusAid

Implementation

2007 - 2009

Scope of Service

in association with formconsult and Optima Consultant

- Topographic survey
- Soil investigations
- Conceptual Design
- Tender Design
- Project management

Investment Cost

US\$ 7 million



Sonja Kill Memorial Hospital for Children Kampot, Cambodia



Project

96-bed pediatric hospital with maternity and three operating rooms

Client

Sonja Kill Foundation, Germany

Implementation

2007 - 2009

Scope of Service

ILKH in association with Optima Consultants:
Detailed architectural, structural and MEP design,
Preparation of tender documents,
Supervision of works,
Management of construction contracts

Investment Cost

US\$ 8 million



