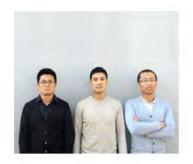
Can Housing Be Affordable and Beautiful? Innovations in Design and Construction Techniques

James Shen, Principal & Founding Partner, People's Architecture Office

Gerti Axelsen, Head of Building & Development, Lejerbo

Moderator: Ray Demers, Director of Design Leadership Initiatives, Enterprise Community Partners

People's Architecture Office



About Us

Beijing-based People's Architecture Office was founded by He Zhe, James Shen and Zang Feng in 2010, and consists of an international team of architects, engineers, product designers and urbanists. With the belief that design is for the masses, PAO aims to be conceptually accessible and culturally pragmatic. Our work is always socially motivated and spans across scales and types. The office is located in an historic courtyard house in the center of Beijing and functions as a laboratory for observation, testing, and building.

People's Architecture Office is a Social Enterprise and a certified B-Corp.





























Before After





























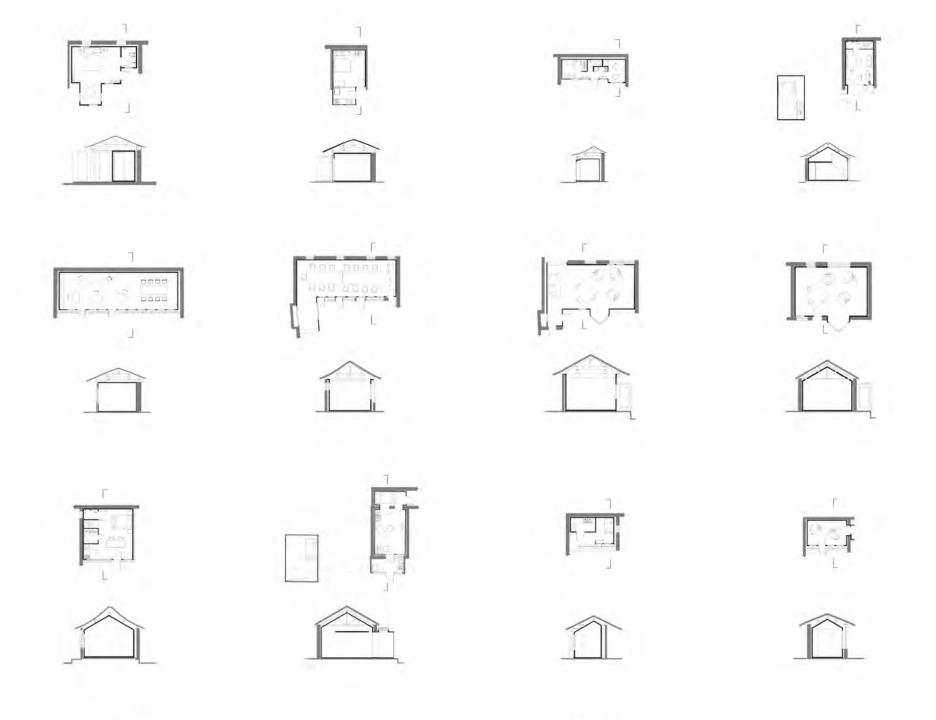














内院大小规则

院落尺寸统计











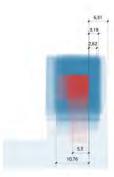
内院尺寸统计







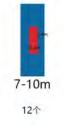




院尺寸范围



16个

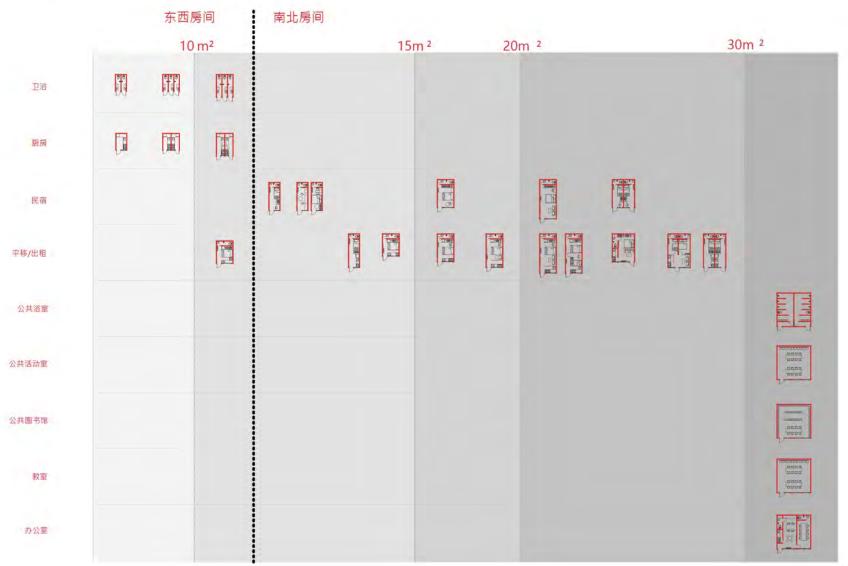








内盒导则2-房间大小与功能适配示例

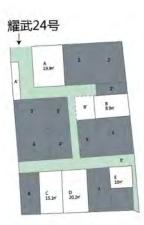


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耀武 24 号实验





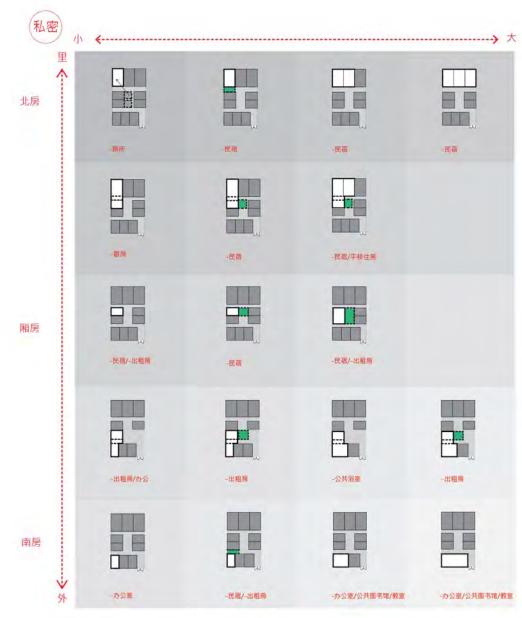




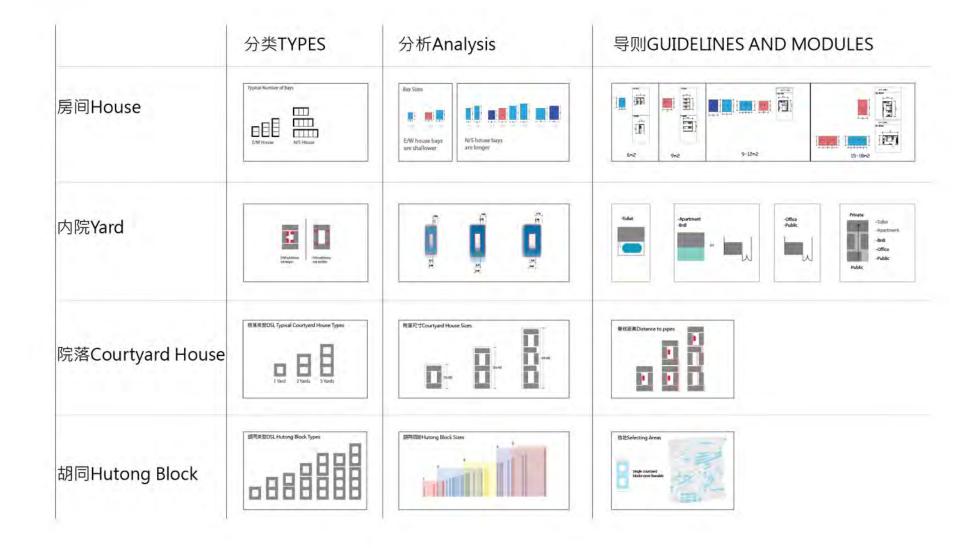
内盒导则1-功能布置原则







研究结构

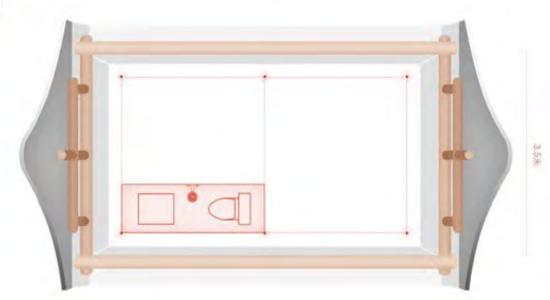




Global Lab Interactive Lab Brand Lab Mail

G-lab.on STOYARD.com TINYWORKSHOPon Xidhang@atoyard.com

8米



> 使用隔板-56个 > 使用窗户-4个 > 使用大门-1个

> 厕所-1个 > 厨房-1个 > 卧室-1个

用户中心

内盒院基本信息



老王的房子 23平 房屋面积 2个单元格 3.5 × 4 单元格子面积 宽高

综合提高评估: 78%

heat-insulating property

39% ▲





节约用电 Power saving

56% V





RMB: 20000

◉ 提交图纸

















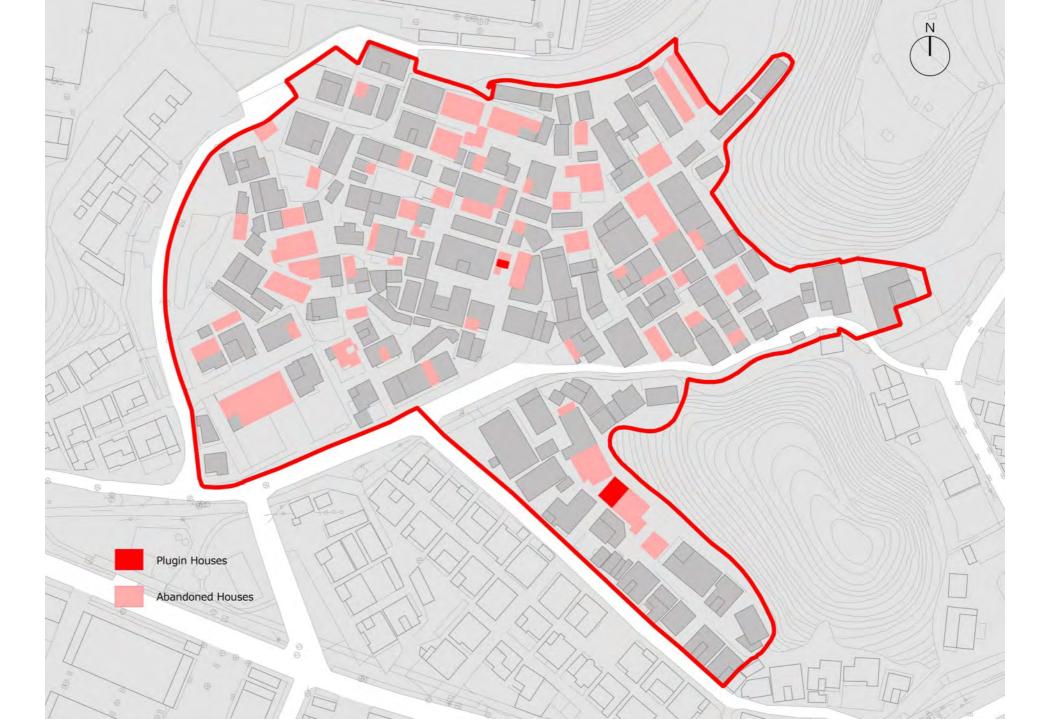


















































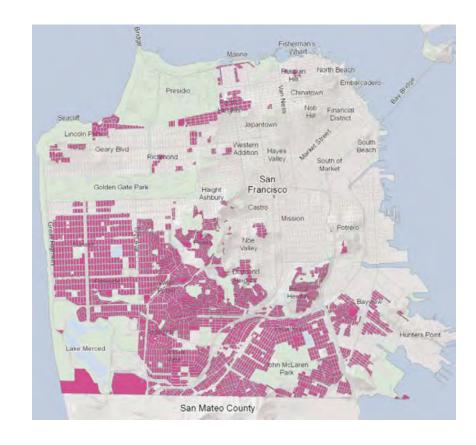




Plugin Houses as Accessory Dwelling Units

• Expensive cities are encouraging home owners to build small backyard homes to increase rental housing stock.











CITY of BOSTON

































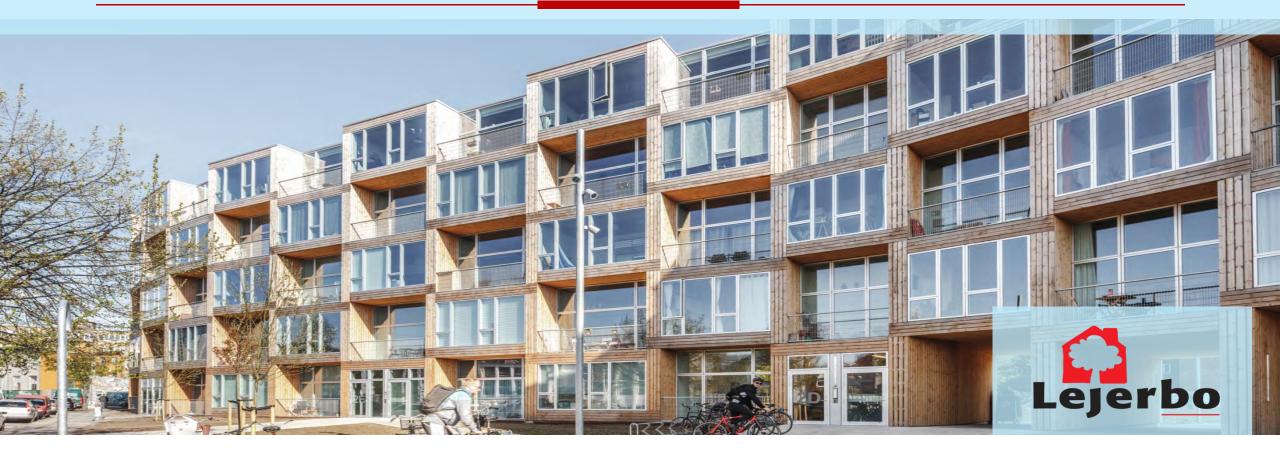




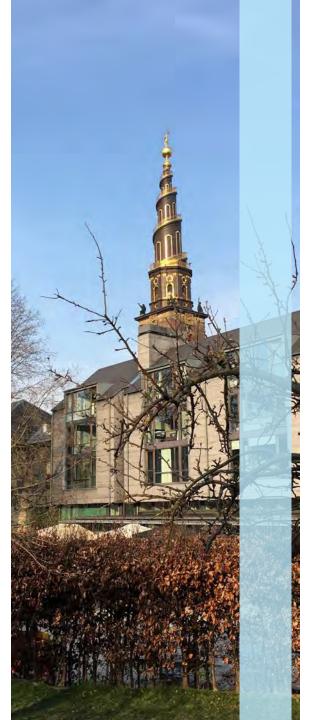




Can Housing Be Affordable and Beautiful?



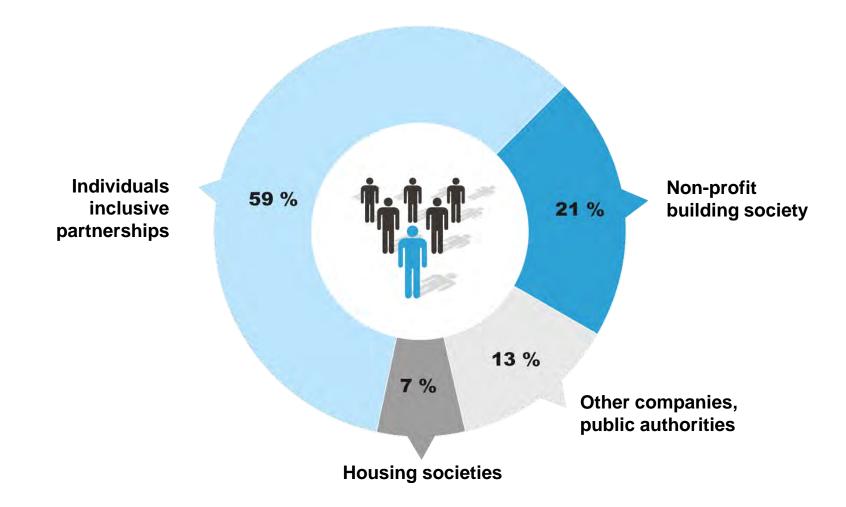
INNOVATIONS IN DESIGN AND CONSTRUCTION TECHNIQUES



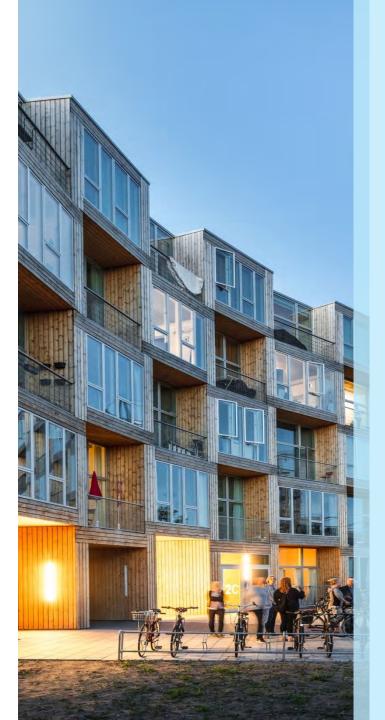
Introduction

Gerti Axelsen Head of Building & Development









Three topics

- 1. Affordable housing What is social housing?
- 2. Why do the high-profile architects wish to collaborate with Lejerbo and vice versa?
- 3. An example Circle House







Our homes

Family housing
Youth housing
Housing for elderly
Housing for disabled
people
Nursing homes



as

Terraced houses Detached houses Blocks of flats









The economy - The Danish model

NON-PROFIT

Rents equal operating, maintenance and capital costs. The sector is regulated and there is no room for speculation.

No one can earn money from the rent in social housing.



TENANT DEMOCRACY

All housing organizations are managed by tenant democracy, where each individual housing estate elects its own tenant board at a yearly tenant meeting.

At the tenant meeting they also make decisions on whether to approve or alter the budget.



STABLE FINANCE MODEL

Social housing estates are built via public funding.

The National
Building Fund
enhances selffinancing within
the sector





Approx. 35,000 homes

Approx. 650 departments - Organized in 51 autonomous organizations

Almost 600 employees

Over 375 million dollars in annual rent bills

Approx. 3,500 vacatings per year

A total property value of more than 6 billion dollars



Affordable housing - Why?

We solve social challenges

We develop and invent because of 'need'

We are stable, long-term and solvent developers





Dortheavej









High-profile architects and affordable housing – how come?

Better homes

- give competitive advantage to Lejerbo
- ensure attractive and leased housing
- give the most value for the used facility investment
- provide operational savings

Better architects

- support us in the development of new housing types
- help us take social responsibility in the built environment
- challenge and develop us as developers in a mutually productive cooperation









60 new public housings to be designed and built according to the principles of circular economy

The objective is that up to 90% of the construction can be separated and reused without losing significant value

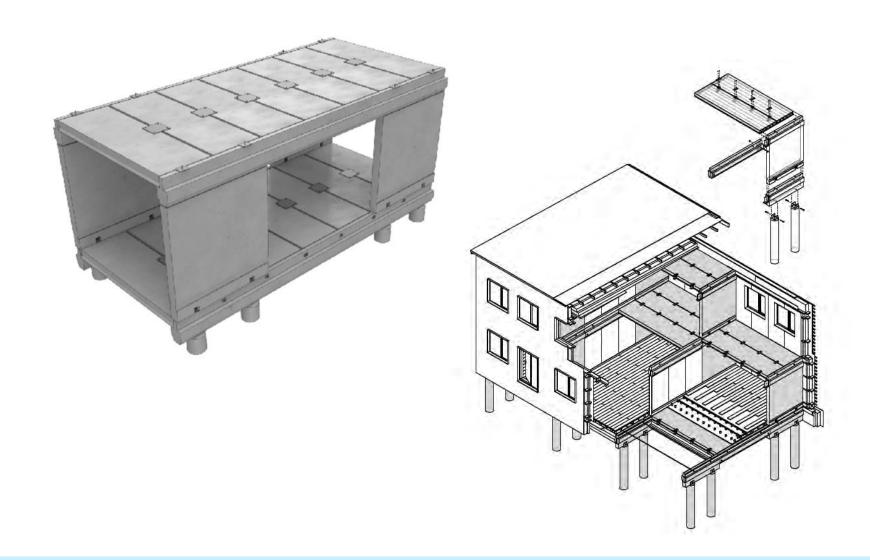
The goal is a **scalable circular** lighthouse building offered and performed on **market conditions**

The homes to be built within the financial framework for public housing

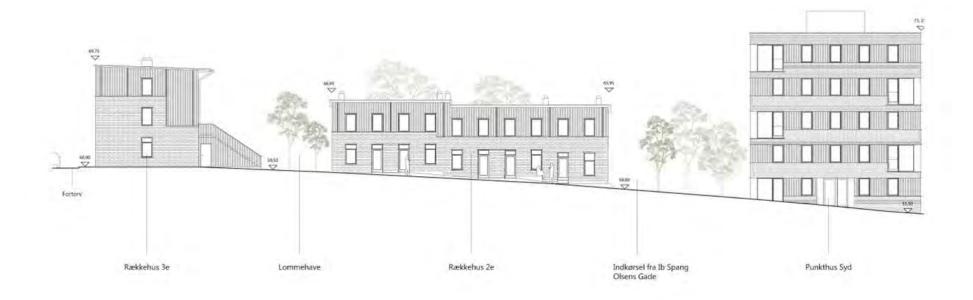
























Туре	Antal	BBR Afrundet	
Lejlighed PA	12	108 m ²	
Lejlighed PB	6	67 m ²	THE PARTY OF THE PROPERTY OF THE PARTY OF TH
Lejlighed PC	5	52 m ²	
Lejlighed PD	1	78 m ²	
Lejlighed PE	1	89 m ²	
Rækkehus RA	6	89 m²	Van."
Rækkehus RA1	2	100 m ²	
Rækkehus RB	2	89 m ²	M. The second second
Rækkehus RB1	2	95 m ²	and the same of th
Rækkehus RC	8	86 m ²	
Rækkehus RC1	6	100 m ²	Man Allander
Rækkehus RD	7	92 m²	The state of the s
Rækkehus RD1	2	106 m ²	and the second second
			The April of the Control of the Cont
Total	60	5371 m ²	Skitse, der viser bebyggelsen set fra





Financing a new estate - initial set-up

Municipal capital 8-12 %

Municipality loan, interest and installment free

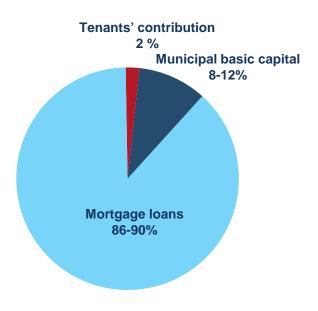
Mortgage on real property 86-90 % 30 years fixed interest nominal mortgage

Tenants' contribution 2 %

Is paid by the tenants when taking up residence

Acquisition sum 100 %

Restrictions on the acquisition costs is set by the state and regulated every year.





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