from formal urbanism to informed spatial practice.
constellation urbanization
open village
The top 10 transactions undertaken by Taobao villages in 2015:

1. Clothes
2. Furniture
3. Shoes
4. Automobile accessories
5. Luggage
6. Toys
7. Daily necessities
8. Bedding
9. Sports products
10. Home furnishings

Source: AliResearch
郝堂宏伟小学硬件设施建设情况良好，在课程设置上也引入诸如烘焙课等，创造丰富的教育体验。

在空间使用情况方面，空间满足度一般。

乡建院是郝堂村最大的在地乡村建设实践中心，为郝堂村创造了充满活力公共空间。

村卫生中心为村民提供基本的配药、输液等服务；如遇更大的疾病则需至平桥区及信阳市医院。

村卫生中心作为乡建院在郝堂与村民共建的第一个实践项目，作为乡建院在郝堂与村民共建的第一个实践项目，作为乡建院在郝堂与村民共建的第一个实践项目，作为乡建院在郝堂与村民共建的第一个实践项目，作为乡建院在郝堂与村民共建的第一个实践项目，作为乡建院在郝堂与村民共建的第一个实践项目，作为乡建院在郝堂与村民共建的第一个实践项目，作为乡建院在郝堂与村民共建的第一个实践项目，作为乡建院在郝堂与村民共建的第一个实践项目

村卫生中心为村民提供了基本的医疗服务。在提供基本医疗服务的同时，也通过举办各种活动来增进村民的健康意识。村卫生中心还与乡建院合作，开展了各种健康讲座和公益活动，为村民提供了更多的健康服务和援助。村卫生中心的开放性确保了村民能够及时得到医疗服务，也促进了村民之间的沟通与交流。村卫生中心的建设不仅体现了乡建院的使命和责任，也为郝堂村的村民带来了更多的健康保障。
Micro Finance:

Established Haotang “Senior Care Financial Cooperative” (Xi Yang Hong) to create a fund from 7 founding members each invested 20,000 RMB in 2009.

During the 1st year, 300 RMB was distributed to each shareholder, later years, 40% to 15%.

Li Changpin invested 50,000 RMB

Even “specific” cooperatives have to deposit money into city banks, they don’t compete with banks in the city; banks in the city does not only legislate the Specific Cooperative, not the Comprehensive Cooperative.

Risk Management: During the 1st year, 300 RMB was distributed to each shareholder, later years, 40% to 15%.

Li Changping, partner of Xiang Jian Yuan, hopes to use internally generated funds rather than external investment for rural development.

There are currently 240 seniors in the cooperative. The cooperative expects to gain 60,000 - 90,000 RMB from agricultural land and 20,000 RMB from the sale of tea and Chinese chestnut.

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Haotang Village is located in Xinyang, Henan Province. Before the development, the migrant workers accounted for 70%. Meanwhile, the average income of villagers was about RMB 4,000 yuan per year. Since 2009, carrying out the rural finance and developing the rural tourism, Haotang has gained high-speed development and great changes. In 2014, the total rural capital income reached 17 million yuan. And, the average income of villagers increased to about RMB 7,500 yuan per year, advancing the standard of living. In 2011, the village collective invested in a development company, which has constructed infrastructure and improved dwellings. In the development mode, Haotang Village has been preliminary successful.

郝堂村位于河南省信阳市。在发展前，农民工数量达70%，而农民的年平均收入为4000元。自2009年实施农村内置金融、发展农村旅游以来，郝堂村已经得到了高速的发展，发生了巨大的变化。2014年，郝堂村农村资本总收入达1700万元。与此同时，农民年均收入提升至7500元，生活水平得到极大改善。2011年，村集体投资建设的公司进行了基础设施的建设与乡村住宅的改善。郝堂乡村建设的初步成果证实了该种发展模式的可行性。
Lianghu village, an ancient village with a history of one thousand original village township is located in Shanxi Province, Gaoping City, 17 kilometers north of Gaoping City. The village is situated on high terrain with a northwest/northeast orientation. It is bordered by Feng Village to the east and Zhangzhuang Village to the west, with the Pingqu Road passing through the village south to north.
Ningde New Nature
N³
树林景观
III. SAMPLE PALETTES

flax
Linum usitatissimum

oats
Avena sativa

groundnut
Arachis hypogaea

tobacco
Nicotiana tabacum

asparagus
Asparagus officinalis

blueberry
Vaccinium corymbosum

potato
Solanum tuberosum

quinoa
Chenopodium quinoa

barley
Hordeum vulgare

sweet pea
Lathyrus odoratus

groundnut
Arachis hypogaea

sesame
Sesamum indicum

carrot
Daucus carota

purple lettuce
Lactuca sativa

flax
Linum usitatissimum

sweet pea
Lathyrus odoratus

welsh onion
Allium fistulosum

garlic
Allium sativum
**TYPOLOGY**

- ground cover
- grass-like
- grass-like
- medium feature
- tall feature (multi-stem)
- tall feature (single-stem)
- structure feature
- bush

**HEIGHT**

- Sample Palette 1
- Sample Palette 5

**PLANTER**

1. Natural curvy edge, avoid parallel strip
2. Rotation of different heights
3. Maximize strips that can access from planter edge for easy harvest
Fab Village

Sustainable Development Through Technology
Leverage open components and platforms in AI and Robotics for rural needs
Rethink Education
PLANT RECOGNITION
BY CAMERA
The first Fab Village is located in Yangtou, a small village near Ningde in the south of China.

First Fab Village Worldwide

The first Fab Village is located in Yangtou, a small village near Ningde in the south of China.
Co-create bootcamps to bring global innovators and local community members together and experiment with sustainable solutions in the village.
Scale solutions

Scale the solutions via best practice knowledge sharing over web and a ready to supply ecosystem
A SPATIAL EVOLUTION - LOCAL MAP

How the town of Shaj and nearby villages has grown and changed spatially over a span of 60 years, from small local villages, to expanded settlements and large areas for industrial production.
VILLAGE EVOLUTION

A spatial evolution process from individual village houses to makeshift production areas to building new warehouses and factories.
Overseas, global

National scale
China

Local scale
Taobao villages

local labor + designers
innovation
local production/ design

MATERIAL
ASSEMBLING/ PRODUCTION
INTERFACE
BUYER

Overseas, global
National scale
China
Local scale
Taobao villages

citizens + designers
Alibaba
buyers

Overseas, global
National scale
China
Local scale
Taobao villages
PRODUCT EVOLUTION

An evolution from producing wood coffins by local coffin-making craftsmen to developing highly customized and designed wood furniture.

Traditional coffin-making by local craftsmen

Simple furniture

Designed and customized wood furniture with sourced timber from specific regions
dispersed infrastructure
Ghostriding for the masses.
How it works:

1. Someone requests a transaction.
2. The requested transaction is broadcast to P2P network consisting of computers, known as nodes.
3. Validation:
   - The network of nodes validates the transaction and the user’s status using known algorithms.
   - A verified transaction can involve cryptocurrency, contracts, records, or other information.
4. The new block is then added to the existing blockchain, in a way that is permanent and unalterable.
5. Once verified, the transaction is combined with other transactions to create a new block of data for the ledger.

**Cryptocurrency**

Cryptocurrency is a medium of exchange, created and stored electronically in the blockchain, using encryption techniques to control the creation of monetary units and to verify the transfer of funds. Bitcoin is the best known example.

- Has no intrinsic value in that it is not redeemable for another commodity, such as gold.
- Has no physical form and exists only in the network.
- Its supply is not determined by a central bank and the network is completely decentralized.
autonomous urbanism
Global Village Construction Set
“a curved street is a donkey track; a straight street, is a road for men”

le corbusier
THE CITY HAS ALWAYS BEEN SHAPED BY ITS MOVING PARTS.
This Tech Giant Has Kicked Off Drone Delivery in Rural China

An unmanned delivery helicopter of JD.com delivers express parcels to villagers on November 10, 2016 in Xi'an, Shaanxi Province of China.  VCG—Getty Images
Roads? Where we're going we don't need roads
Consequenties voor een straat
Consequenties voor een straat
Citizen street village
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