Shenzhen
Smart Hardware From The Street
2010: Founded first Makerspace in China
Shanzhai: China’s Collaborative Electronics-Design Ecosystem

In Shenzhen, there are hundreds of smart watches, not just design prototypes. Here’s why.

Silvia Lindtner, Anna Greenpap, and David Li | May 18, 2014; 2:15 PM ET

2011: Hacked Matter Research Hub

The new shanzhai: democratizing innovation in China

David Li / Co-founder of Xingejiyu (hackerspace) and Hacked Matter (think tank).

The Maker Movement Gains Ground in China

By Christine Larson | June 26, 2014

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2015: Maker Collider
2015: Shenzhen Open Innovation Lab
Premier Li Keqiang visited Chaohuo Makerspaces in Shenzhen on Jan 4, 2015
“There may be a ‘next big thing’ that comes out of that [Maker] community,” Krzanich said in Maker Faire.
IoTs: Bigger than Internet

Gartner

- 5 Billions IoTs in 2015
- 25 Billions IoTs in 2020
- 50% (10 Billions) from companies founded in next 3 years
Exponential Growth of Community

Makers Community

Open Hardware

Internet Sharing

Digital Fabrication

Exponential Growth of Community
Crowdfunding: Close the Loop

uArm is an Arduino-powered desktop 4-axis parallel-mechanism robot arm, modeled after the ABB industrial PalletPack robot.

Created by
UFactor

1,263 backers pledged $251,887 to help bring this project to life.
Makers + Crowdfunding: The Longtails of IoTs

Sales

Short head

Longtail
Huaqiangbei
Shanzhai: Folkart of Shenzhen

民间手工艺泛指劳动人民为适应生活需要和审美要求，自己创作、生产并使用、欣赏的。
Prayer phone for Muslim

POTUS’s favorite phone!
Shanzhai: (long)tail wag the dog

Sales

Short head

Longtail

Nokia
Motorola
Qualcomm
Mediatek
Rockchip
Allwinner Technology
Open Innovation with Gongban and Gongmo

Innovation blowback: Disruptive management practices from Asia

Western companies think too narrowly about the emerging world. If they aren’t careful, they may end up as defenders, not attackers.

2005: McKinsey Quarterly

John Seely Brown and John Hagel III

In the days of the rudimentary pistol, unlucky shooters were now and then hurt when unburned gunpowder escaped backward toward their face...
Wiko: Rapid Creation of New Brand
Tecno: #1 Smart Phone in Africa
Hottest Items without a Name: Hoverboard

- 6,551 sellers on Amazon
- 2015: 14 Millions Units Shipped
- Half millions video on Youtube
Shenzhen Innovation Daily
How does the system work?
Wu and his MeegoPad Mini PC

- Team of 5 in Shenzhen
- Developed in 6 months
- Launched in the market in late 2014
- 2015: 80,000 units and $12 millions in sales
- No VC finance, supported by the ecosystem
Business Ecosystem is the Core Competence

Introduction: Business ecosystems come of age

Part of the Business Trends series
AI finally working!
Exponential Growth of Computation Power
Disruption of AI from goofy applications

人工智能的颠覆来自于把它用在看起来愚蠢的事情上 – KK
Y Combinator Founder Under Fire After Celebrating Inequality

The Y Combinator founder published an essay over the holiday weekend in which he argues that ending economic inequality would mean destroying the startup ecosystem.

BY TESS TOWNSEND  Staff reporter, Inc.com  @Tess_Townsend

Silicon Valley’s ugly rich-poor gap: What’s the tech world gonna do about it?

By Hannah McKenzie  July 8, 2013
It is difficult to pick up a major business publication today without reading about venture capitalists (VCs, defined as professionally-managed VC limited partnerships that invest in early-stage ventures), about their skills in finding great investment opportunities, and about the ventures they fund. And lately in states like Minnesota, it is also about how they can create jobs if the governor would speak favorably about the need for VC and offer some state pension money for them to invest. And since we all like to talk about our successes, the stories are about how entrepreneurs secured VC and soared to wealth in a very short time.
Mass Participation with Open Innovation
Taboo Village: Internet Enabled Ecosystem
Maker + AI + Open Ecosystem: Mass Innovation in IoTs
Open Innovation Camp
Mychi: Food Therapy
Robor

智能音乐与调制
音乐会根据用户的微动作和变化判断用户的心情变化，并根据进行调制。当用户表现出快乐时，它会播放欢快的音乐；当用户表现出愉悦时，它会播放轻柔的音乐；当用户表现出愤怒时，它会播放节奏感强的音乐。同时，它可以根据用户的喜好改变颜色。如绿色表示喜悦的心情，蓝色表示平静，棕色表示活力。

监测与反馈
与APP连接，记录用户的每日心情状态，并根据用户的反馈及时调整。

功能与特点
- 采用塑料材质，表面有LED灯光，增强与用户的互动性。
- 长13cm，宽13cm，适合放置于各种场景。
- 设计简约，适合各种家居风格。
Business Ecosystem is the Core Competence

Introduction: Business ecosystems come of age

Part of the Business Trends series
Web: szoil.org
Twitter: @szoil001, @taweili
Facebook: facebook.com/szoil