

# Replaced by Smart and Backup for Smart

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# Overview

- Human works are replaced by smart things.
- Tools or solutions.
- Backup for a smarter city.

# Human works are replaced by smart things

- It is a long history that human's works are replaced by machines/smart things.  
e.g. Loom
- By the development of smart things, this replacement are being decision-making from labor-exporting.  
e.g. Public Security Video Monitoring System

# Double sides of the replacement

- e.g.1 Smart Trash Bin system of Smart City Project in Yinchun, China.

This Trash Bin system could show the information of garbage classification, auto-compressing the garbage, control smell and contacts property management company when it is full automatically.

Its cost is much higher than a normal one.



# Double sides of the replacement

- e.g.2 Autopilot of Tesla

Autopilot is the assistance system of Tesla electric cars. Even though it is not a full auto-drive for now, it still have a better reaction for traffic than human in most case.

It cannot make 100% correct decision for now, and also the dependence of human will reduce the possibility of remediation when it work not well.



# Tools or solutions

- Technologies/smart things should be the tools but not be the solutions of the city issues. How to use those tools and think with dynamic should be the solutions.

Garden City of Ebenezer Howard, and the Suburbanization are the attempts for solving the issue of overloaded city. The ideas of Garden City and Suburbanization were formed after the well development of electric-power-net and automobiles.

Cities are not machines. The structure of them and the issue they are facing will be changed by time. Those reform from top-bottom like Garden City and Suburbanization didn't solve issues very well and lead more problems for later.

# Tools or solutions

- Like the Garden City and Suburbanization. The Replacement mostly happened in top-bottom “smartize” process. Those leader companies ,such as IBM, prefer to offer the newer and smarter “devices” and “system” as the solutions for the smart city.

Essentially, those “devices” and “system” try to replace people by better ability and performance, rather than find a way to reorganize information and data for getting “smarter”.

As the Garden City and Suburbanization, the replacement process (top-bottom reform way) would lead social problem.



# Backup for a smarter city

- What is the Backup and what should be backed up?

“In information technology, a backup, or the process of backing up, refers to the copying and archiving of computer data so it may be used to *restore* the original after a data loss event.”

Data and Information is the key parts of smart cities, they are the one thing should be backed up.



# Backup for a smarter city

- The most value of a Backup is that it preserves the data and information from hardware.

Human's ability and human's dynamic pattern is also the software (data and information) of a city. The life style, the culture and so on.

How to backup this part, will be a very important one in backup a smarter city.



Thanks

*End*