

中国江苏省句容市政道路PPP项目

City Roads PPP Project in Jurong City of Jiangsu, China



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主要内容

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1. 英达科技集团简介 Freetech Group Introduction

公路医生®

Freetech
英達科技

英达科技集团1993年成立于香港，是一间于沥青路面养护行业的领先综合服务供应商，而其就地热再生技术，可实现原路面材料100%原价值循环再用。

Established in HK since 1993, Freetech Group is a leading integrated service provider in the asphalt pavement maintenance industry using Hot-in-Place recycling technology that is able to recycle 100% of the original pavement asphalt materials.



1. 英达科技集团简介 Freetech Group Introduction

2013年6月，英达科技集团 (6888.HK) 在香港联合交易所主板成功上市，开创了道路养护行业登陆港股先河。

Freetech Group (6888.HK) was listed on the main board of the HK Stock Exchange on 26 June, 2013 and was the pioneer in the road maintenance industry to list on Hong Kong stock market.



1. 英达科技集团简介 Freetech Group Introduction

公路醫生[®]

Freetech
英達科技

- 国内市场占有率**第一** No 1 Market Share in China Market.
- 交通部鉴定 “**国际领先**” Certified as “**Internationally Leading**” by Ministry of Transport



标准系列 Standard Series

日常养护设备
Routine Maintenance
Equipment



模块系列 Modular Series

热再生机组HIP
Recycling Train



公路醫生®

Throughout entire China for all types of the highways, state roads & city roads in China



1. 英达科技集团简介 Freetech Group Introduction



广泛环境适用性
Applicable for various working environment

极端气温
Applicable under extreme temperatures

桥梁
Bridges



高速 公路
Highways

城市 高架
Flyovers



国省道 / 干线公路
State Roads

陡坡及急弯
Steep Slope & Sharp Turns



城市 道路
City Roads

城市 转盘
Round-about



山区迂回道路
Hill Roads



低温
下雪天
Snow



高温
炎热
Hot

1. 英达科技集团简介 Freetech Group Introduction

公路医生®

Freetech
英达科技

2009年60周年国庆北京长安街大修工程

Beijing Chang'an Avenue before the 60th Anniversary of P.R.C, 2009



2010年广州亚运会

Guangzhou Asian Games 2010



2011年海南博鳌亚洲论坛

Asian Bo Ao Forum in Hainan 2011



2014年南京青年奥运会

Youth Olympic Games in Nanjing 2014



1. 英达科技集团简介 Freetech Group Introduction

公路醫生®

Freetech
英達科技

湖南黄花机场跑道
Huanghua Airport Runway in Hunan



乌鲁木齐城市道路开挖快速回填恢复工艺
City Excavation Rapid Backfilling Restoration
Process in Urumqi



内蒙古改扩建
Road Expansions & Reconstruction Project in
Inner Mongolia



广西路基就地冷再生
Roadbase CIP Recycling Project in GuangXi



2、句容市政道路PPP项目介绍

Jurong City Roads PPP project Introduction

2.1 项目基本情况 Basic Project Information

项目名称：句容市新建道路及养护升级工程

Project Name: New Road Construction,
Maintenance and Upgradation Project of Jurong City

项目地点：江苏省句容市

Project Location: Jurong City, Jiangsu Province



项目背景：新建一条连接句容市区新建医院、学校、居民小区和繁华商圈的重要市政道路，将成为交通流量大、路面形象好的市区主干道，被句容市政府列为重点民生建设项目。

Project Background: The new municipal road was recognized as the key people's livelihood construction projects which links the new hospitals, schools, residential areas and busy business hubs in the urban area of Jurong City and becomes the main city roads with good traffic flow and road conditions.

投资总额：5亿元（新建道路2.5亿元及含养护升级2.5亿元）

Total investment amount: RMB500 million (new road construction: RMB250 million, road maintenance and upgradation: RMB250 million)

2、句容市政道路PPP项目介绍

Jurong City Roads PPP project Introduction

2.1 项目基本情况 Basic Project Information

项目开始日期及合作期限：2016年3月,10年（**建管养一体化**，包括新建2年+后期道路维护运营8年）

Project start date and cooperation period: March 2016, 10 years (**integration of road construction, management and maintenance**, including new road construction: 2 years plus subsequent road maintenance and operations: 8 years)

项目运作方式：BMT (Build Maintenance Transfer)

Project operation mode: BMT (Build Maintenance Transfer)

项目概况：本市市政道路、排水、管线、照明、绿化及路基工程采用建筑废料回收技术等工程施工，并且竣工验收合格后对工程道路进行养护。

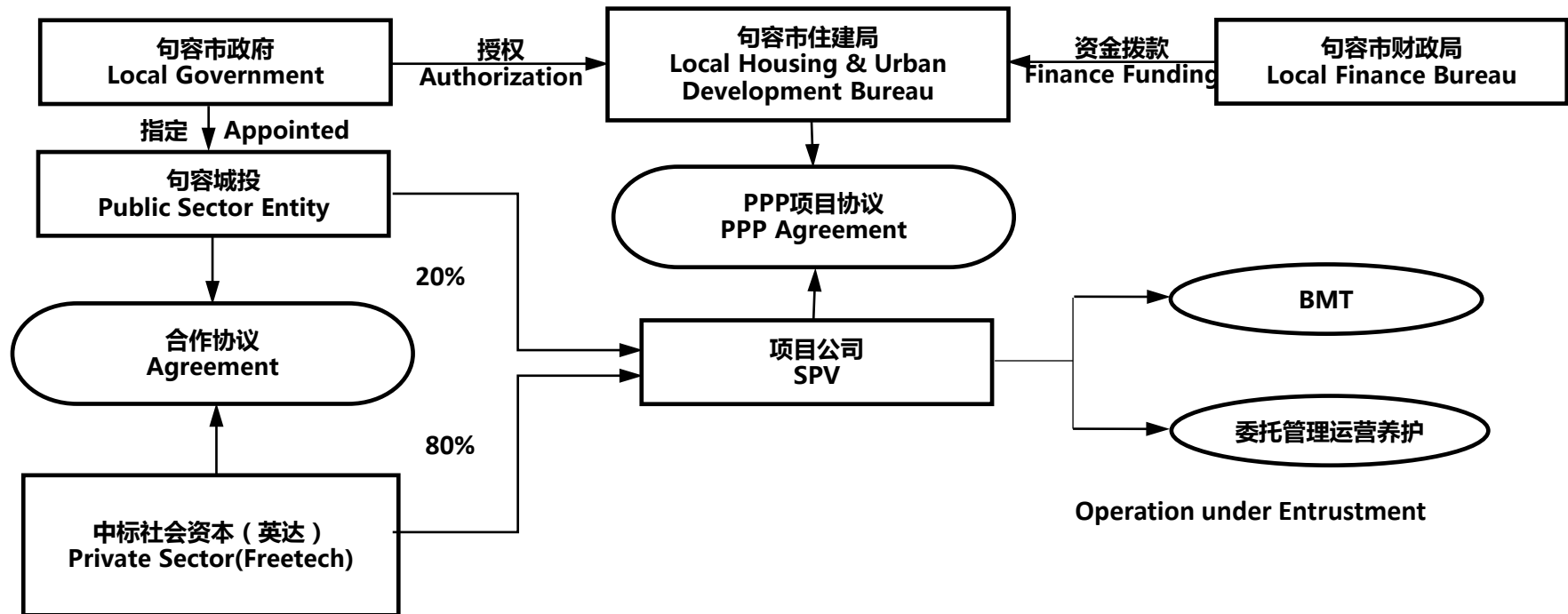
Project overview: The project includes city roads, drainage, pipelines, lighting, greenery, and road base construction by using the construction waste recycling technology, and the subsequent maintenance work after the completion of the acceptance of the completed road construction.

2、句容市政道路PPP项目介绍 Jurong City Roads PPP project Introduction

2.2 Special Purpose Vehicle (“SPV”)公司组建 Formation of the SPV company

股权比例：政府投资平台20%；社会资本80%
Equity ratio: public sector 20%; private sector 80%

投资资金成本：SPV公司注册资本金不计资金成本，项目公司运营管理费用由政府方单独核算并按年支付。
Investment capital cost: the SPV company registered capital does not account for the cost of capital, the SPV company operating expenses are separately calculated and paid annually by the local government.



2、句容市政道路PPP项目介绍

Jurong City Roads PPP project Introduction

2.2 项目运营内容 Project Operation Contents

1、新建道路建设管理职能 Construction and management of the new roads

2、现有市政道路“白改黑”和其他大中修养护工程

Upgrading the existing city road from cement pavement to asphalt mixture pavement and perform other large/medium maintenance works

引进英达科技集团优质的全生命周期养护技术和快捷高效的就地热再生施工技术，按照市政府和住建局要求对建成区道路开展养护出新工作。

Introduced the high-quality and life-cycle maintenance technology, and fast and efficient Hot-in-place recycling technology of Freotech Group to perform the maintenance jobs in accordance with the requirements of the local government and the Housing Development Bureau.

3、建筑废料就地综合再利用 Construction waste recycling and reuse

引进英达科技集团的建筑废料就地循环再利用技术，对城区建筑废料进行就地再利用转化。

Introduced the construction waste recycling technology of Freotech Group to reuse and transform the urban construction waste.

3、项目亮点及其贡献

Project Highlights and Contributions

通过PPP模式创新创优基础设施建设投资和管理方式，以及英达科技集团与句容市提出新建项目捆绑定期维护养护服务的运营模式（建管养一体化），为句容市政提供了高品质的施工及技术服务，为百姓出行带来福音。有关项目亮点及其贡献经过以下两方面阐述。

By using the innovative infrastructure construction investment and management model of PPP project, Freotech Group and Jurong City jointly provide high-quality construction and technical services for the city roads and bring benefits to the local citizens through bundling the regular maintenance services with the construction of the new city roads (integration of construction, operation and maintenance). The relevant project highlights and contributions are elaborated into below two aspects.

3.1 私业利益 Private Interest

3.2 公众利益 Public Interest

3.2.1 价格 Price

3.2.2 安全,质量及工期 Safety, Quality and Duration

3.3.3 环境影响 Environmental Impact

3.2.4 社会影响 Social Impact

3、项目亮点及其贡献 Project Highlights and Contributions

3.1 私业利益 Private Interest

对私业而言，率先通过第一个PPP项目实施，不仅吸收了大量实务操作经验，为今后参与政府此类项目奠定了扎实基础，也结合项目的实施带来了一定的经济效益。特别是与政府成功合作后，私业在业界的影响力也会增强，为打开当地市场，赢得业务推广获得有利条件。

For the private sector, through the implementation of the first PPP project, the company not only absorbs practical operational experience for building its base for future participation in the government projects, but also bring economic benefits. Especially, after the successful cooperation with the local government, the influential of the company will be enhanced in the industry, and the company is able to open the local market and obtain favorable terms during the business promotion.

3、项目亮点及其贡献

Project Highlights and Contributions

3.2 公众利益 Public Interest

3.2.1 价格Price

对政府而言，既达到了短期内快速优质的完成市政建设，推进城镇化目标的快速推进；又引入了**充裕的民间资金**、技术、管理经验，让民营资本得到良性循环，特别是句容市政府引进的道路后续养护是具国际先进技术的绿色环保的高科技热再生养护技术使良好的后续道路养护服务让工程更能持久有效服务于老百姓，树立为人民服务的政府形象。

The local government able to complete the good quality of municipal construction work within a short period of time, not only able to accelerate the urbanization goals; but also introduces **sufficient private sector capital**, technology, management experience to work in a virtuous circle. Especially, the subsequent road maintenance technology introduced by the Jurong Government though using Hot-in-place technology which is international advanced, green and hi-tech recycling technology. It will provide a better quality maintenance service so that the project is more durable and effectively serve the public, also establish a good image for the local government.

3、项目亮点及其贡献

Project Highlights and Contributions

3.2 公众利益 Public Interest

3.2.2 安全、质量及工期 Safety, Quality and Duration

政府通过委托中标方对所在区域内约定的沥青道路提供全寿命周期的管理养护项目服务、管理技术和道路建设运营经验，为进一步创优句容投资兴业环境、提升交通和市政道路管理层次和管理水平，该技术具有高质量、速度快、工期短、不扰民、噪音小等优势，为句容企业和百姓创造优良的出行环境，符合绿色交通理念。

The local government requested the successful bidder to provide life-cycle management and maintenance services on the asphalt road in the agreed region, along with the management technology, road construction and operation experience, which will enhance the investment environment of Jurong City, upgrading the traffic and municipal road management level. These technologies possess the advantages of high quality, fast, shorter duration, less traffic interruption and low noise, and able to create a good environment for the enterprises and people in Jurong City which is in line with the green transportation concept.

3、项目亮点及其贡献

Project Highlights and Contributions

3.2 公共利益 Public Interest

3.2.3 环境影响 Environmental Impact

随着句容市政府引进具国际先进技术的绿色环保的高科技良好的技术包括英达科技集团的:

1. 就地热再生技术, 及 2.建筑废料回填技术。

该技术拥有高品质的质量，使得减少维修的频率，而且可实现旧沥青混凝土路面100%原价值就地循环再生利用。所以极大缓解开山采石及城市建设废料污染以及对生态环境的破坏。既可节省大量材料资源和资金，也可避免环境污染，实现循环经济发展模式和可持续发展。

The international advanced, green and hi-tech recycling technology introduced by the Jurong Government including Freotech Group's:

1. Hot-in-place technology, and 2.construction waste backfill technology.

These technologies have higher product quality which able to reduce the maintenance frequency and also able to recycle 100% of the original pavement asphalt materials. Therefore, greatly relief the pollution and destruction impact of quarrying and urban construction waste on the ecological environment. These technologies can save a lot of material resources and funds, and avoid environmental pollution, to achieve the development of circular economy model and sustainable development.

3、项目亮点及其贡献 *Project Highlights and Contributions*

3.2 公众利益 Public Interest

3.2.4 社会影响 Social Impact

随着句容市政府引进具国际先进技术的绿色环保高科技的英达科技集团技术，可以短期内快速完成优质的市政建设及养护，不扰民、而且快速推进城镇化的目标。

The international advanced, green recycling Freotech Group's technology introduced by the Jurong Government, less traffic interruption and able to accelerate the urbanization.



4、总结 Conclusion

通过采用了PPP模式，最终达到多方共赢的局面——

Through the use of the PPP model, ultimately able to achieve a multi-win situation——

政府，以较低的成本，得到了社会资本和高品质的产品；

Government able to get the private sector capital and high quality products at a lower cost;

投资方，以科技创新降低成本，得到了满意的回报率；

Investors able to obtain a satisfy rate of return and reduce the construction cost through scientific and technological innovation;

老百姓，因施工速度快、不扰民，得到了良好的出行环境和居住环境；

People able to enjoy better living environment because of the fast construction speed and less traffic interruption ;

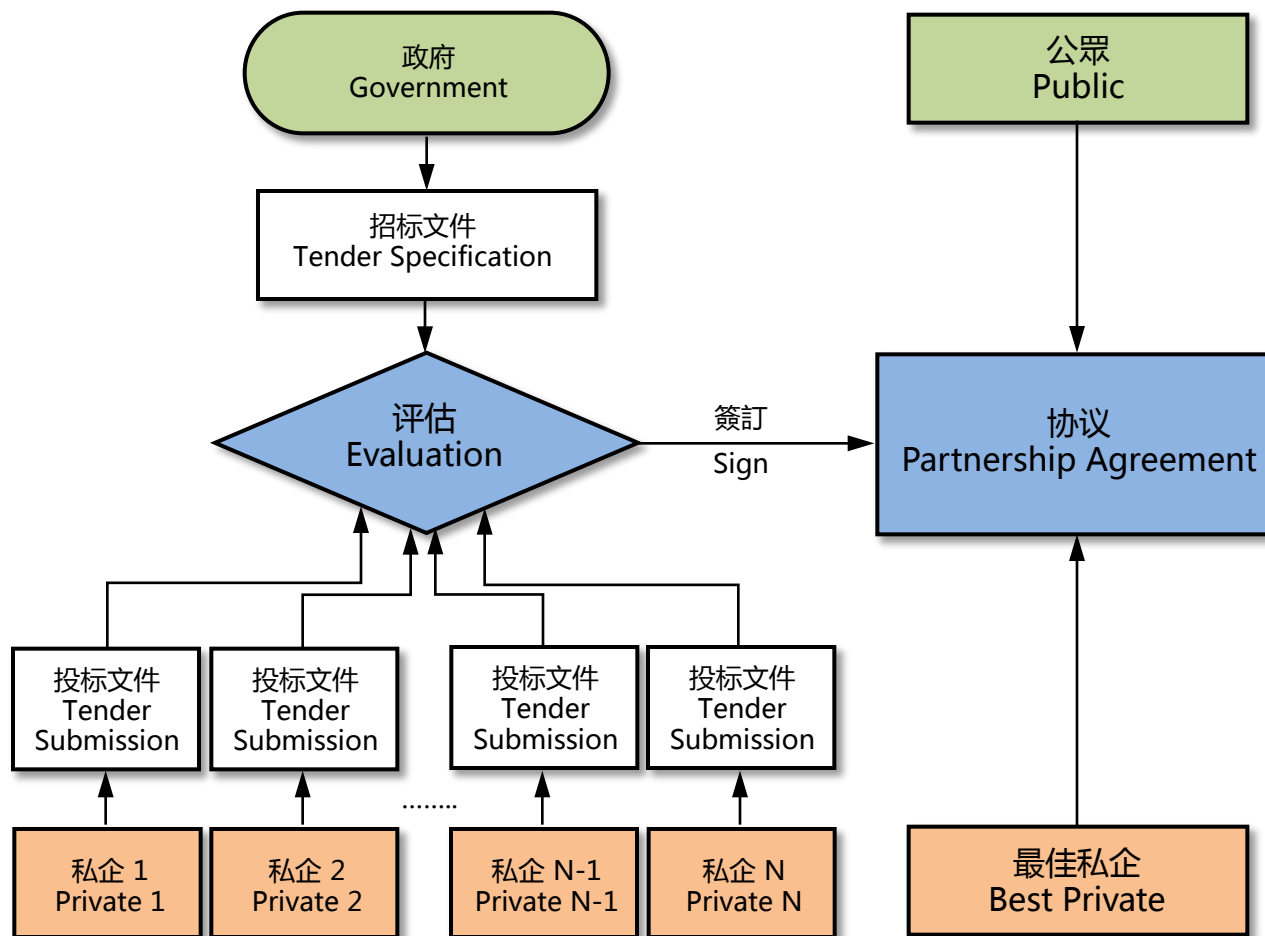
全社会，因采用了新模式新技术新工艺，得到了低碳环保的生态环境，最终实现了可持续发展！

The whole society able to enjoy a low-carbon ecological environment and ultimately achieve sustainable development by using new models and new technology !

4、总结 Conclusion

成功关键：如何能选择出最佳的企业

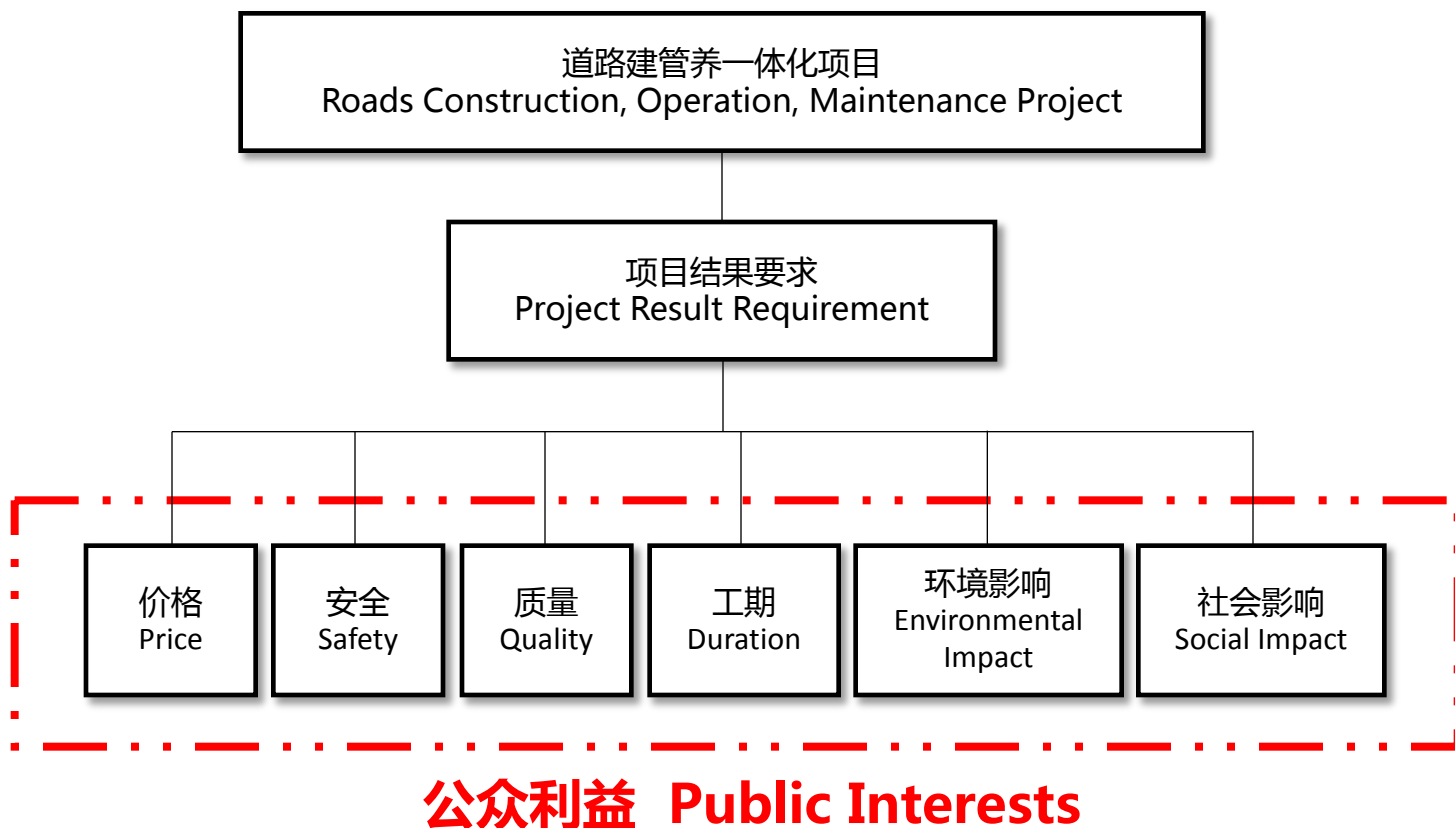
Key Success : How to Select the Best Private



4、总结 Conclusion

项目结果要求：以公共利益为主导，而非实施的技术或手段

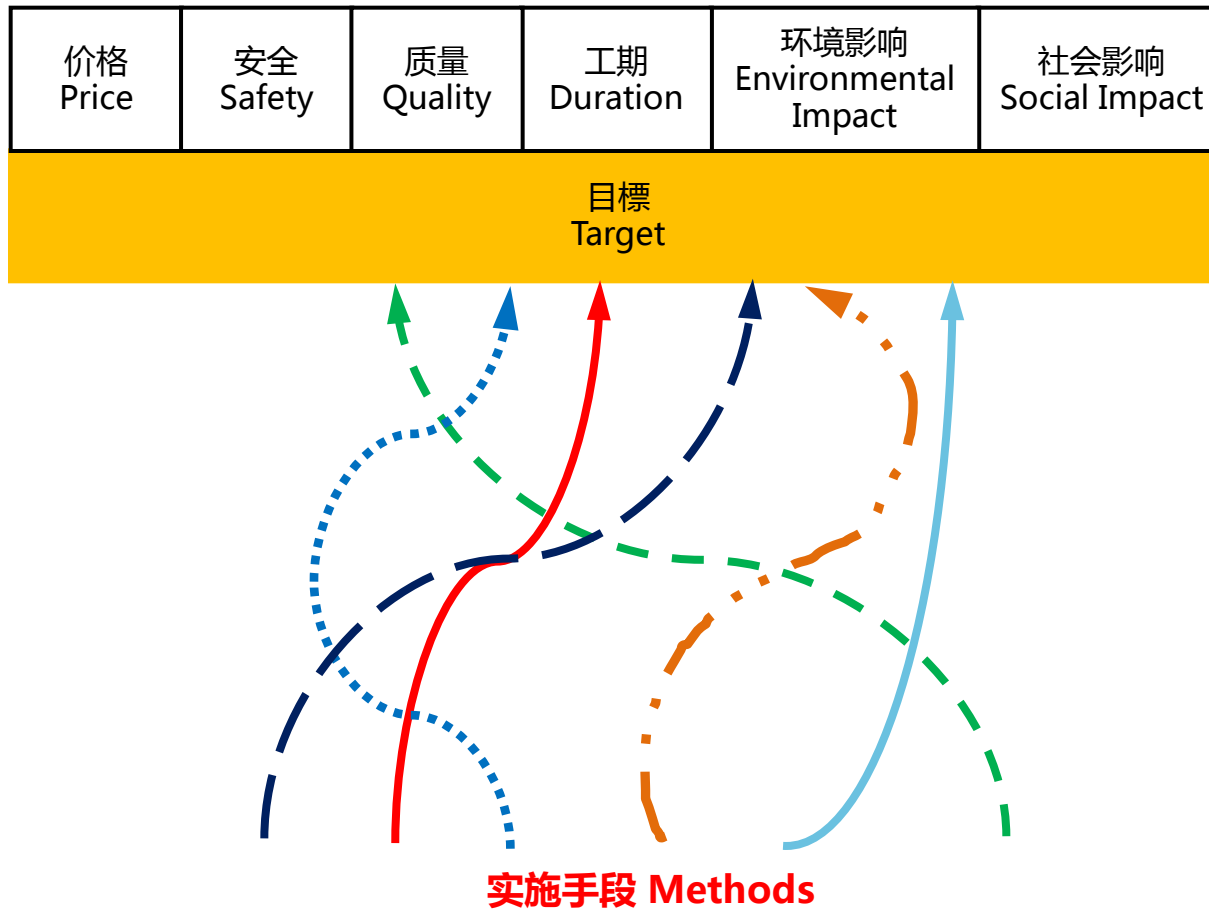
Result Requirement : Public Interests Oriented, not implementation methods



4、总结 Conclusion

项目结果要求：以公众利益为主导，而非实施的技术或手段

Result Requirement : Public Interests Oriented, not implementation methods



Thank you

