

# 基于博奥清单软件对工程项目管理的研究

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**Annotation.** With the rapid development of global economy and the continuous progress of engineering technology, the complexity and difficulty of engineering projects are increasing day by day, so the management of engineering projects is faced with many risks and challenges. At the same time, engineering construction projects play an extremely important role in modern society, affecting all aspects of people's lives in various ways. However, the management of the project is also very important for the success of the project. This paper mainly estimates the project budget through Boao inventory software to control the cost, and analyzes the importance and application of Boao inventory software in project management.

## 1. 博奥清单软件在工程项目管理中的应用.

博奥清单列项, 由各个分项工程组成分部工程, 所有分部工程最终组成工程项目。各分部划分规整, 有相应的划分标准及对应的定额, 有效提高费用计算效率, 同时能清楚分辨分部工程出现费用超标的情况, 有利于管理项目成本。

在管理各分项工程费用过程中, 更新项目动态可通过博奥对应分项的费用进行比对, 能精准测出各分项费用使用是否存在超标情况, 从而判断项目预算成本是否需要调控。

## 2. 博奥清单软件在工程项目管理中的重要性.

博奥汇总计算总造价是施工预算中极其重要的一个环节。在对工程项目进行管理时, 旨在保证项目的整体建设质量的大前提下, 控制工程项目的成本。各分部分项工程的清单都在博奥中体现, 进而对整个项目进行系统性、综合性的管控及实施。在博奥定额当中, 材料用量得到了准确的把控, 从而能够有效控制工程项目中材料的使用。通过博奥软件, 不仅在一定程度上规范了施工技术, 还从多方面、多方位对工程项目进行管理, 以博奥数据为基础, 综合管控项目实施, 最终完成工程项目的成功实施及稳定运行。

## 结论.

本文通过使用博奥清单软件对工程项目预算情况进行分析, 了解博奥软件在项目实施中的应用, 体现其对项目管理的重要性。工程建设项目中成本管理本身就存在复杂性, 因此在对其进行管控时应从多方面、多角度进行考虑, 并与项目的实际施工、现场管理等进行有效融合, 最终达到节约成本的目的。

## 参考文献

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## APPLICATION OF EDEM SOFTWARE TO POTATO HARVESTING MACHINERY TRIALS

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**Annotation.** In order to intuitively analyse the role of the potato soil separation device on the material and the screening principle of the lifting chain with rod, the potato harvester is simulated and analysed using the EDEM method, and the EDEM software can get rid of the limitations of the natural environment, intuitively and quickly analyse the screening capacity of the potato harvester, reduce the cost of the research and development of agricultural equipment, and improve the efficiency.

### 1. Simulation modelling and analysis.

As shown in fig. 1, a three-dimensional model of the potato soil separation device was built using SolidWorks software based on a tractor-mounted one-row, two-row potato harvester with poles. The potato soil separation and conveying device can vibrate, crush, sieve, throw and transport the potato soil mixture on the lifting chain [1].

This test with the help of EDEM software [2], the simulation process is shown in fig. 2, it can be seen on the ascending chain of the soil bonding degree of the clay through the shaking wheel of the hit broken, along the fence gap sieve out. Viscosity of the bottom particles through the vibration of the shaking wheel broken, the screening speed of the material greatly increased, the screening capacity of the ascending chain is significantly enhanced, the simulation image is clearly visible before and after the shaking wheel of the ascending chain before and after the change in the screening capacity of the material.



Figure 1 – Simplified model of a potato harvester

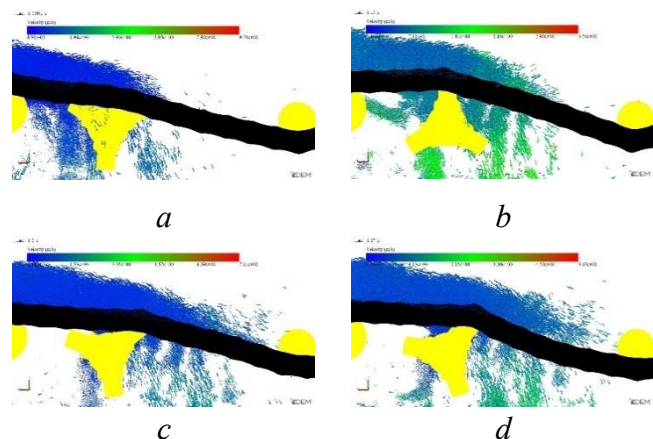


Figure 2 – Simulation process:  
 $a - t = 1.00 \text{ s}$ ;  $b - t = 1.67 \text{ s}$ ;  
 $c - t = 1.27 \text{ s}$ ;  $d - t = 1.30 \text{ s}$