

# PRODUCT MANAGEMENT TECHNOLOGY IN PROJECT AND OPERATIONAL ACTIVITIES OF ENTERPRISES

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## Implementation area:

**Any branch, which is engaged in production of details from which the product is assembled or other complex products**

№	Результат моделирования	Дата	Часы	Тип	Штраф
1		28.07.2014 21:05:54	1		0
2	Выполнение работ за 81 календарных дней	28.07.2014 21:35:37	6463	5	254106
3	Выполнение работ за 81 календарных дней	28.07.2014 21:12:20	6463	1	254170
4	Выполнение работ за 84 календарных дней	28.07.2014 21:36:23	6487	5	254554*
5	Выполнение работ за 84 календарных дней	28.07.2014 21:36:00	6487	5	254874

С какой даты можно исключить продукты | 01.01.2013

**Втянуть** | **Отправить**

Дата расчета в указанном режиме (S)

- Случайно
- По времени
- Случайно (с учетом статистики)
- По лучшей статистической модели
- По реальному проекту
- По реальному ресурсу

Время моделирования (мин) | Модель

**МОДЕЛИРОВАНИЕ** |  Истощить |  Без ограничений |  Без учета загрузки по другим проектам

**Очистить модели** | **Очистить статистику**

Коэф. неравномерности | 10

**Диагностика входных данных** | **Диагностика модели**

## Implementation:

1. It enables managing production with the help of project management methods.
2. It puts production technology in terms of projects and creates a work plan, a resource plan, a procurement plan and a budget plan by simulation.

## Brief description:

Production technology puts into the system and it creates a work plan, a resource plan, a procurement plan and a budget plan by simulation. The technology allows solving tasks of administration, planning, monitoring, accounting, budgeting, procurement, management of logistical and human resources in an automated mode. Moreover, it enables forming an enterprise information standard while performing these tasks.

The technology uses the information on project processes, completed work amount, resource availability, labor, material and technical resources costs, procurement terms. Based on the information, the intelligent system creates a portfolio plan, taking into account the priority of each project. According to a global plan of project portfolio it creates local plans of working resources.

The main difference between this technology and the traditional ones is that the focus is laid not on network graph representing works, but on bipartite graph based on the production process of separate subproducts, which are used for the assembling of finished products. The technology is implemented in several enterprises, in particular in those, which are engaged in instrument-making, aircraft construction and development. With the help of the technology they managed to double productivity level without increasing the number of labor resources. Also the technology is implementing in several enterprises.