## Government Polytechnic ,Washim

A

MICRO PROJECT REPORTON

**“STUDY OF MANAGEMENT PRINCIPLES APPLIED TO LARGE SCALE INDUSTRY ”**

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**“STUDY OF MANAGEMENT PRINCIPLES APPLIED TO LARGE SCALE INDUSTRY”**

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**ABSTRACT**

This paper reviews the development and application of a specific computer-aided design methodology called “SIMKON” for large-scale dynamic process control systems. This methodology has been implemented in the SIMKON-IV software system. The set of algorithms used in SIMKON is based on state-of-the-art simulation and control technologies and is a spinoff from the well-known DIGIKON-IV, ADAPS and KONPACT programs developed for aerospace and defense applications by Honeywell over a period of time and includes about 50,000 FORTRAN-IV statements. The significance of this development is that it provides the user with the total system capability of developing alternative controller organizations and corresponding multi-performance figures for large systems under one unified interactive command structure. The interactivity with the user significantly improves the productivity of the user. The richness of its command repertoire and the advanced algorithms it uses for implementing its functions make SIMKON-IV one of the most complete and advanced system engineering tools for control applications in the process industry. Brief descriptions of this tool and its basic capabilities and application areas are given. In addition, typical inputs and outputs are illustrated.

**INTRODUCTION**

The industrial extraction of natural resources, large-scale energy and infrastructure development projects, and industrial production systems such as agriculture and fishing (collectively termed hereafter as “large-scale, industrial methods of extraction, production, and development”) have long-term, significant, and deleterious impacts on indigenous peoples and local communities, including but not limited to the violation of human rights, environmental destruction, disempowerment, poverty, displacement, and adverse effects on health, local development, cultures, and traditions. These impacts have consistently been reported by a number of United Nations mechanisms such as Special Rapporteurs, as well as international financial institutions such as the World Bank3 and the OECD4 and a range of studies conducted by intergovernmental organizations , academics, and civil society organizations.

**CLASSIFICATION OF LARGE SCALE INDUSTRIES**

* LargeScale Industry: Industries which employ a large number of labourers in each unit are called large-scaleindustries.
* Medium Scale Industries: The industries which employ neither very large nor very small number of labourers are put in the category of medium scaleindustries.
* Small Scale Industries.

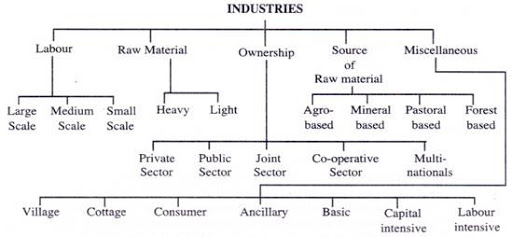


Fig. classification of large scale industries.

**REQUIRMENTS OF LARGE SCALE INDUSTRIES**

* Large scale industries uses heavy machinery which is given by power.
* It requires a wide variety of raw materials, large scale investments and work force to manufacture the final products.
* The examples of such industries are iron and steel industry, etc.

**CHARECTERISTICS OF LARGE SCALE INDUSTRIES**

* These include mainly heavy and capital intensive industries.
* These are high tech industries where white collar workers make up a large share of the total work force.
* Special attention and measures are taken towards the quality control.

**ADVANTAGES OF LARGE SCALE INDUSTRIES**

* They provide an impetus to the industrialization of the country.
* Large scale industries, usually, produce capital and basic goods (instruments, machines, [chemicals](https://www.toppr.com/guides/chemistry/chemistry-in-everyday-life/chemicals-in-food/), etc.)
* They are capable of generating [funds](https://www.toppr.com/guides/fundamentals-of-accounting/non-profit-accounting/capital-funds-and-special-funds/) for the research and development of new technologies.
* Due to the large scale of operations, they have the potential to lower the cost of goods.
* Further, they create opportunities for small-scale and cottage industries to evolve and flourish.
* Also, the [employment](https://www.toppr.com/guides/economics/employment/workers-and-employment/) opportunities created by large scale industries are huge.

**DISADVANTAGES OF LARGE SCALE INDUSTRIES**

* Evils of Factory System
* Danger of Over-Production
* Less Supervision
* Monopoly
* Class Struggle
* Dependence on Foreign Markets
* Possibility of War
* Lack of Adaptability

**SCOPE OF LARGE SCALE INDUSTRIES**

Large scale industries, usually, produce capital and basic goods (instruments, machines, chemicals, etc.) They are capable of generating funds for the research and development of new technologies. Due to the large scale of operations, they have the potential to lower the cost of goods.

**IMPORTANCE OF LARGE SCALE INDUSTRIES :-**

* Reduces problem of Unemployment.
* Proper utilization of resources.
* Source for Government Revenue.
* Development of Basic Infrastructure.
* Modernisation of Agriculture.

**CONCLUSION**

A business can range from a single proprietor enterprise to a large corporation which employs thousands of workers across multiple countries. Based on the scale of business, organizations are classified as micro-enterprises, small-scale enterprises, large scale industries, public enterprises, and multinational corporations. In this article, we will take a quick peek at large scale industries.