Management Structures in Nano Technology

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Abstract: User Management Business Nanotechnology company was founded, staff were employed and money necessary to start providing. The company now must develop products and marketing moves. Therefore, people and process management must be a way to achieve this goal. Information about the management of the company in nanotechnology is to get business. People and process management in times of good and evil are discussed. Planning, development and problems in the development and marketing of products arising from the encounter can be called management problems, especially in a young company. Since the companies, even those who do not trade publicly. Are dealing with people outside. And for this there are companies that sell products, develop products and deliver them to the labor market is complicated.

Key words: Management • Nanotechnology • Structure • Process • Growth • Flat • Vertical • Matrix

INTRODUCTION

Instructions for Nanotechnology Management: If visitors to a large bookstore, brick or plaster and earth and we had the Internet. With a long list of books about management companies and hundreds of people and processes we encounter in other volumes. Attitudes and theories are different and can not be expected that nanotechnology can manage them all to read and evaluate. This includes aspects of list management and to author several books that are a useful information. Different instructions have been created. Be tested. Each company is organized in such a way. For himself, its management and its owners may be suitable. Several different management methods in nanotechnology, there are commonly used as following:

- Flat management structure.
- The vertical management structure, that to be divided into two parts. The first part is Management structure of section and the second management structure of group.
- Management Structure Matrix[1-5].

Flat Management Structure: In a flat structure, there is a manager that all employees in a company report to him directly. This is a simple structure of the small companies and sectors that are usually less than 10 employees to work well. And the highest number that a single administrator can effectively and to help. When the organization grows, it is necessary that the organization has changed that more than one person has the responsibility of management [3].

Management of Vertical Structure: Vertical management structure, a senior manager from other managers to report to him that will. Other managers usually some responsibility for employees to have part of the responsibility that the Senior Staff management activities to control the second category. In the large category of managers are different. That their cause is getting a job. Development management tools makes the job easier and also remain stable. Management, at least in the early stages of nanotechnology development company, should not be dealing with different levels of management. Two types of management in a vertical structure, there must be an administrator to their field of nanotechnology will focus on the following items:

Management Structure of Section: Composed of parts that have specific functions such as research and development, finance, marketing, construction and so on. In small firms, the only structure that must be administered with high efficiency. As this company is the larger parts into smaller parts are. For example, a company in nanotechnology research and development can be part chemistry, tools, analysis, reviews and other divided into sections. By a head of each section is run the deputy research and development reports. The other parts in this way can be divided into parts. Macro mode deputies all research and development, finance, marketing,
construction and other reports to the President. As the
sections are bigger than they can be also divided into
more small groups, each with head. In general, this type of
company growth and needs of times the structures are
divided.

**Management Structure Group:** This group of structures
for the different structures that are part instead has a
section or department director for a number of staff that
has the skills and jobs are similar, a team or group
includes various types of jobs and skills for a work and
purpose is planned. For example, build a product. A team
can include a synthetic chemist, analytical chemist,
eengineer mechanics, biology and marketing, financial
expert etc. They work together to achieve the desired
goal. And report directly to the Head. President,
responsible for management, control and evaluate each
team and a senior manager, he reports that his
management team may be several. While that may not be
logical to the beginning of a marketing team has to be one
of the reasons that many products on the market are not
good that the market needs are lacking. Online marketing
team can be information about the products on the market
and how they build the product to compete with the team
reports. There is more of a team base and the skilled
marketing team and even have the benefit For a
nanotechnology analysis Manager section and group
structures may be to come early. In fact, starting
destination, there is little real structures. Especially if the
number of little people to work. Of course, success in
the growth, requires having organizational plan is the
beginning.

**Management Structure Matrix:** Multiple forms section
has multiple structures. Matrix form teams including
members sections are applied. That together are intended
to do work together under the director of this page to
work. This type of structure usually companies that were
formed and applied part of the structure and the project
team created. Common characteristics such structures is
that the number of staff reporting to Senior. Although
other structures, such as a flat structure in small firms
better than large corporations act and should be a flat
management structure starts nanotechnology and then
the structure to move vertically or matrix.

**Operations Management:** Nanotechnology in each
activity management are two branches should
nanotechnology that management must follow them.
That process management is one of them. A number of
process activities and events that must occur with a
specific sequence. And to reach the desired goal. In a
nanotechnology company processes are important
business perspective, product development and its
production process and production.

More efforts with product development and process
development teams a few are done. The team includes
people from different Departments are different skills.
The product or process development is required. This
team of people that have the ability to report yet. Them
who is their manager reports to sector. Head of
Department team member usually is. But in recent decades
under the professional management group has been
formed. These people trained up to lead different teams.
The professionals usually are seen in the company. In
which some of these teams are working. In smaller
companies, especially those who are just getting started.
Teams are led by senior managers. People on their ability
for group work teams are selected [4].

Efforts for the development of many companies doing
nanotechnology is complex. Different stages is included.
Project management tools that ensure that the project is
not only growing, but performance is best used. An
original design project management and a framework for
activities to be started. For example, a nanotechnology
company that produces molecular memory devices, you
must select the desired molecules and then install them
on the device with them to produce and activation
methods and non-enabled device to find them.

Other activities that can be done parallel with and
although they may have a common goal. But rather the
independent work. This can include activities such as
currency detection, environmental issues because of the
molecules. Value of project planning and management of
the team that the best and most efficient way to focus on
work. That other team activities activities and activities
important for the listless and to prevent release [5].

Of course, other processes, except the product
development process that their company should perform.
In fact, the process management in general is something
that Managing Director and other senior managers
(usually the entrepreneur and other founders
nanotechnology company) will do at all. Responsible for
all of their processes and activities are within the
company. Whether directly or by other managers have
been employed. This report includes all required legal
registration, the tax and other payments that a company
is to do. One of the primary objectives is to manage
nanotechnology way that all jobs, policies and people to
the appropriate places. And ensure that these details are
run well [6].
Manage People: Who's right on the head to have any work to help them and that the best way to do its work. Management nanotechnology should know who to manage? A group of nanotechnology companies based on skills needs, including many types of engineers, chemist, the physicist, the biologists, experts, laboratories, machines, accountants, librarians, lawyers, registered agents licensed professionals Assembly, operator acceptance, superintendent of transportation, ships and other people to hire. Each of these people will have different needs and expectations. Fortunately, an entrepreneur is forced to employ everyone suddenly is not required, for example, some lawyers and experts Parliament until the company is not large enough, are employed. This occurs when the cost of external persons are equal or surpass the cost is to people within the company [5].

Management hire that first considers nanotechnology in general are technical. Especially scientists and engineers for the production technology and products are required. These people should be selected carefully. Since the initial efforts the company is crucial. Employed scientists and engineers also means hiring people that they need in the laboratory. To help them. They must also be selected carefully. Companies hiring people for technical success is very important to bring people economist and businessman to run the company daily, is very important. If the person currently in office and to organize a company's activities has not. This person or company should be run as part of a company to be able to experience large part of entrepreneurial barriers or to take the company from founder. A warning for nanotechnology business manager (who himself may be a work experience measured) is that their tasks, methods, plans, goals and methods compatible with the overall management of the company are. Intransigence and opposition to any public company by the vibration and cause companies to confusion and problems [7].

Growth Management Nanotechnology: Growth management can be plentiful and the pleasure is great stress. Many companies are planning to develop. Of many research projects and in field use. Sometimes they can be controlled quickly grow. Projects desired to run easily. New research begins. Often occurs and development begins. For which a company gives out is very important. Is considered. These stimuli are great for fast development [7].

Management Development Nanotechnology Products: If management wants nanotechnology two different products such as nano nano coating nano Pharmaceuticals window or system can produce. Must produce different information each of the above products is. Information technology management in the production of nano coated window are the followings:

- Suitable for coated particle size is the charge.
- Specification needed to see which wavelengths are the Game.
- How compatible particles produced?
- How to delete the current pollution?
- How can they withdraw from the glass?
- What a way to clothe a layer unit can be?
- What solvent can be used?
- Environmental impact is solvent?
- Whether existing windows can be replaced?
- Window Covering What takes time?
- Exposure to wind, rain, sunlight, what effect has the cover?

Management information system in the production of nanotechnology Nanotechnology Pharmaceuticals include the followings:

- What a drug is produced by this system?
- Whether the desired goal is a certain type of medication?
- What is required to test security?
- Why the drug combination and the system is better than drugs alone?
- Whether for medical advice and medicines produced for free particles is required? And how they differ from manufacturing?
- You can be the process for components and systems developed combination?

These are questions that the management of the company products with nanotechnology faces.

Development costs vary. The two examples cover the development costs compared to the window system is less nano medicine. Nanotechnology company management, issues above impact on the need to sell his interest [1-7].

CONCLUSION

Management products, because companies are more and gardens are comparable. They need to return to care and breeding have nanotechnology companies. They will be useful for security and benefits are being tested. Processes for effective implementation must be excluded from development and professional way to drive, by professional staff, by a professional sales force to market.
REFERENCES


