



A revolution step of an Engineering Manager

The world that we are living in is bound to change and have a revolutionary impact whether in political, technological, and economic or social structures. These changes are created by different sectors and groups that aim to develop new advancements in the growing society. However, without the step of an engineering manager, these changes that aim to provide a brighter path may lead to an obscured and dimmed-dark pathway. In particular, the expertise of an engineering manager is a key aspect for the innovation of new processes and systems that make sure that the revolution is facilitated with effective and efficient efforts. In general, how can a big jump be successful if there is only the desire to leap without considering how to land safely?

In relation, a big jump can only be successful if there is a plan for both the leap and the landing. Simply having the desire to jump without considering how to land safely can lead to failure or injury. Similarly, in any major endeavor—whether in life, business, or revolution—having ambition is not enough. Careful planning, strategy, and preparation are necessary to ensure that the leap forward does not result in a disastrous fall. That's why engineering managers are executing their skills such as strategic planning, problem solving, and resource management to ensure that all movement will be possible without falling.

To begin with, through the logical strategic planning of engineering managers, the revolution becomes more clearer and achievable. We all know that revolution is sometimes complex in our imagination, but engineering managers develop ways to make it simple by breaking it down into smaller steps to be taken without cutting the true intent of the new advancement. As a result, it helps the transformational movement to stay organized and act with efficient coordination. Moreover, their problem solving skills allow them to ensure that all collateral damage faced by the revolution is dealt with effective solutions. As the new phase begins, new problems arise. That's why they quickly adapt to the situation and take precautionary measures to identify problems and consequently offer solutions. In that sense, problems are eliminated before it impacts the people and the society. Furthermore, engineering managers are known for their resource management skills as they value minimizing the environmental risks, while maximizing the effectiveness of the project. A revolution requires more resources as it becomes more advanced, but engineering managers are there to always come up with alternative raw materials to be used in order to ensure that it limits the usage of natural resources.

Therefore, it is relevant to say that engineering managers may not be at the forefront in the revolutionary effort, but they make sure that the backline will be built with strong foundations and safe operation. The backline does not necessarily mean that they have least contribution, but they have a strong will of minds that prepare for effective and efficient results. As I said, in a big jump, forefronter is the one who thought about leaping into new transformational movements as they have greater ambitions, but engineering managers are the ones who consider landing safely by ensuring a structured plan to be taken, making the landing to be smooth and safe.

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