**Applying Six Sigma and Lean to Operations**

Student name

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Course

Professor

Date

**Applying Six Sigma and Lean to Operations**

1. **Lean methodology**

My employer used lean methodology to improve cable manufacturing at my company. The organization focuses on becoming a key decision-maker for customers who require specialized wires, connectors, splices, and extruded tubes to cover existing and emerging general business sectors. Organizations provide a rare type of support reminiscent of collaboration in creative planning and then use upward assembly skills to convey a modified arrangement. An organization's longevity relies on a foundation that permanently addresses solid financial assumptions, promotes productive development, and consistently appeals to customers and investors. Organizations and their charities prioritize supporting associations that provide reasonable care to their representatives and families (Taha et al., 2021). It strives to ensure cross-generational solidity in more prominent regions by assembling highly concentrated products that contribute to fundamental and innovative advances worldwide.

The company needed to reduce setup time and ad lead times. Lean Group was looking for a way to simplify machine setup and switching. A reservation framework was introduced to improve rapid assembly and offset upstream component creation with downstream assembly and assembly. With this in mind, the company could produce more cables quickly to serve the high customer demand. Initially, the assembly was done manually by employees, and it used to take much more time than required (Gupta et al., 2018). This led to delays in the production process, making it difficult to meet customers' demands.

Result: Machine setup, which reached five and a half hours on each machine, was reduced to 35 minutes, with an additional uptime of approximately five hours per day for each machine (Al Owad et al., 2018). This increased the number of cables produced per day compared to the initial setup, where few cables were produced per day. Generally, the lean methodology helped increase production at my workplace.

**References**

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