

Amphenol Power Product Manufacturing Set-Up

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Author Note: A short demonstration of the Power Product Manufacturing Set-Up project at Amphenol. Includes a brief introduction of the company, the project scope and some major tasks for the project team.

Abstract: Amphenol Corporation, one of the world's leading manufacturers of interconnect cables, has recently transitioned their bus bar manufacturing process from Nogales, Mexico to Endicott, NY. Through weekly meetings with operations managers and engineers, the team was able to gather relevant data in order to develop a Simio model, simulating production and providing metrics such as throughput, utilization, and labor hours. Through these results, the team determined potential bottlenecks where either more machines or operators may be of use. Instructions will be given on how to manipulate the Simio model for various production processes, enabling forecasts for future production. Work instructions were developed for each machine from operating manuals, previous process documentation, and instructional videos so as to simplify machine operation for new employees. These deliverables will ultimately ease the transition from Mexico back to the U.S. and help the start of production in Q3 of 2019.

Keywords: Bus Bar Production, System Optimization, Simulation