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CISC 3140 - Assignment 2

Lockheed Martin

Lockheed Martin (LMCO) is the number one global security and aerospace company there is. LMCO is primarily engaged in the research, design, development, integration, and sustainment of advanced technology systems, products, and services. Their mission is to deliver innovative solutions to the defense sector and advance scientific discovery.

LMCO has four organizations: Aeronautics, Missiles and Fire Control, Rotary and Mission Systems, and Space. Aeronautics focuses on tactical aircraft, airlift, and aeronautical research. Missiles and Fire Control includes the Terminal High Altitude Area Defense System and PAC-3 Missiles as some of its high-profile programs. Rotary and Mission Systems, which includes Sikorsky (their subsidiary company) military and commercial helicopters, naval systems, platform integration, and simulation. Space focuses on space launch, commercial satellites, government satellites, and strategic missiles lines of business.

All four sectors of this company employ thousands of employees with different backgrounds in engineering—one of the top four demands being Software engineers. While each sector has their own systems in need of constant update, there are also advanced development programs aimed towards building innovative technology requiring those various engineers. One program is the Skunkworks project that claims “technology 50 years ahead is old news.” In such dynamic and agile work environments, there is a high demand for engineers, especially in software with the incorporation of machine learning and artificial intelligence.

In order to acquire these facts regarding the company, I mainly utilized Lockheed Martin's website because information regarding projects are typically classified until it is publically released by the company via the website. This is due to the company being a defense contractor and most projects, if not all, are sensitive to national and global security. I queried for data such as the organizations and projects. However, I heard of Skunkworks prior to my deep dive into their website due to an interview I had with LMCO's Aeronautics specifically for the Skunkworks project.