

## Teaching Case

# Risk Register TLC: A Cybersecurity Case of Manufacturing Tables, Lecterns, and Chairs

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### **Abstract**

This case asks students to assess the cybersecurity posture of a manufacturing company. The exercise works well as a group activity in an information systems course that addresses cybersecurity controls. The case introduces guidance from the National Institute of Standards and Technology, and learners develop work products consistent with the standards. The narrative provides high-level summaries of relevant cybersecurity standards. The case is based on a real company and actual projects, but the company name and specific details have been fictionalized and made more abstract to make this case relevant even when specific technologies evolve. Through this experience, students will learn the importance of a defense-in-depth strategy for securing information systems.

**Keywords:** cybersecurity controls, risk management, teaching case, manufacturing cybersecurity

A full version of this case/abstract may be found at <https://isedj.org>