

Design Scenario- Auteco Mobility.

You are a network consultant who has been asked to attend an initial meeting with the executive management team of Auteco Mobility. As is well known, Auteco Mobility manufactures motorcycles. Its new electric motorcycle and electric skateboard were just picked up by a large retail chain and offered by e-commerce, too. Auteco is upgrading its manufacturing capacity, hiring new employees and had opened three new production points in the country.

Recently, Auteco's employees are experiencing problems sending email, accessing web-based applications, and printing. The Internet access is going slowly and the connection to CRM and ERP applications is badly. In the past, when the company was small, it didn't have these problems. The operations manager outsourced computer services to a local business called Unilago Solutions, which installed new workstations and servers as needed, provided desktop support, and managed the switches, router, and firewall. Auteco is now considering bringing computer services in-house and is wondering how its network should evolve as it increases production of its electric motorcycle. They want have your own IT staffing.

1. What should you know about the organization before the meeting with the executive management team? Explain.
2. What problems is the Auteco network experiencing? What network design principles were not taken into account by the outsourcer?
3. Make a table with five major stakeholders for this project. For each stakeholder, list the main design goals, constraints, and biases.
4. List five questions you would ask to the executive management team. Justify your answer.
5. Identify the customer's network applications. (Use the Network Applications chart).
6. Compile a list of the customer's business goals, starting with one overall business goal that explains the primary purpose of the network design project.
7. What is the scope of this network design Project?