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Abstract:

Supervisory control and data acquisition (SCADA) is an industrial automation control system at the core of many modern industries including, Energy, Oil and gas, Power, Transportation, Food and beverage, Water and waste water, and Manufacturing.

SCADA systems are used by private companies and public sector service providers. SCADA works well in many different types of enterprises because they can range from simple configurations to large, complex projects. Virtually anywhere you look in today's world, there is some type of SCADA system running behind the scenes, whether at your local supermarket, refinery, waste water treatment plant, or even your own home.

Ukraine, Dragonfly, Havex, Stuxnet... attacks against SCADA has garnered a lot of attention. How are these attacks executed? What are some of the key decision points and operational considerations that operators have to contemplate? What makes exploitation of SCADA infrastructure different from exploitation of traditional IT

