Thales - Satellite Visibility forecast, a Multi Agent System

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Multi Agent Systems allow agents (software components) to advertise their functionalities and dynamically connect to the other's advertised services. This increases effectiveness of decision making in the open and distributed environment via goal-oriented coordination.

Thales is an example of such a system, combining inputs from actual, physical and simulated, synthetic components.

Using geographical taxonomical hierarchy, the system automatically finds the closest city to the observation point, automatically retrieves and parses the weather forecast information from a webpage and generates visible passes over specified location for any given satellite.