YardSYM simulates the movement of trains and railcars in a yard as if a human decision-maker is running the yard and can simulate the actual operations to a very high level of accuracy (over 95 percent).
YardSYM simulates the movement of trains and railcars in a yard to a very high level of accuracy (over 95 percent). It uses sophisticated decision modules for train placement, the grouping of railcars into blocks, the grouping of blocks into trains, and train departures. It also models different types of manpower resources with different shifts with breaks.

This simulation system allows users to identify yard bottlenecks and investigate ways to remove them. The application also enables them to see the impact of bringing in new technology, adding manpower resources in some shifts and changing yard operating methodologies on a yard’s capacity and process times. YardSYM is an excellent companion for experienced yard personnel since it can supplement their gut feelings and experience with fact-based science.

YardSYM uses a sophisticated simulation engine using the latest data structures. It can simulate six weeks of yard operations within ten minutes.

Users can change the yard infrastructure, such as adding new tracks and crossovers. A yard can be resimulated with these changes and the impact of these changes assessed within minutes.

YardSYM is a web-based system with highly visual interfaces including the animation of railcars, locomotives and trains in the yard. It also has multi-user and multi-scenario capabilities.

Want to see more? Go to www.optym.com