OVERVIEW:

Flexsim CT is an easy-to-use PC-based simulation software tool designed to model, simulate, and analyse container terminal operations. Flexsim CT is ideal for analysing existing, expanding, and/or new container terminals. Its user friendly interface allows users to build models by dragging and dropping objects from a library, with a few mouse clicks. Nevertheless, Flexsim CT is programmable, flexible, and adaptable to any container terminal's operation.

This means that key decision makers will have confidence that the best information is available to proceed, while minimising cost, risk, resources and time.

USERS & USES:

While Flexsim CT has proven to be an invaluable tool for consultants, it was designed to be simple enough to be used by almost anyone wishing to analyse terminal processes; including port authorities, port planners, terminal managers, etc.

Flexsim CT allows users the flexibility of creating models to any level of detail and scope. Whether your intent is to analyse just a small portion of your gate operation, or simulate the entire container terminal operation, Flexsim CT has everything you need to complete a successful simulation analysis.

With Flexsim CT, there is no need for complex math's, such as regression analysis or queueing theory. Users simply build a model of any given scenario and run it to see what happens. Any randomness (such as times and quantities) can be “smoothed out” by running the model multiple times until the required confidence of results has been reached.

Flexsim CT can be used to:

- Increase throughput & equipment utilisation
- Reduce waiting time and queue sizes
- Fine-tune TOS stacking logic prior to implementation
- Optimise prioritisation and dispatching
- Improve layout design
- Reduce bottle necks
- Run complex "what-if" analysis
- Support capital and operational decisions
- Study alternative investment Ideas
- Justify capital expenditures
- Study cost reduction plans
- Demonstrate new equipment, policy or design & capabilities
- Understand system behavior
- Process automation analysis
FLEXSIM CT REPORTING & STATISTICS:

Flexsim CT has a variety of built-in reporting capabilities including statistics on yard/block storage; dwell time, content over time, Gate Queue, truck turn time, and yard resource utilisation just to name a few. Metrics are captured and displayed on charts and tables, or fed to spreadsheets or any database.

The customisable nature of the metrics allows you to focus on the KPIs that really matter.

UNDER THE HOOD:

Flexsim CT has been developed from the well respected Flexsim General Purpose 3D Simulation Software. Its open architecture, object oriented, C++.NET back-end provides unrestricted access to all objects. In addition, Flexsim has the ability to build and store user libraries and GUI’s, allowing rapid development using custom objects.

Flexsim CT uses industry-standard technology, such as ODBC, C++.NET, Windows Sockets, and graphics; which allows you to re-use existing technology and skills.

FLEXSIM STANDARD SOFTWARE IS INCLUDED:

Modelling isn’t restricted to container terminals; Flexsim CT comes with Flexsim’s standard and fluid libraries. These libraries have been used to support industries as varied as logistics & supply-chain, manufacturing, healthcare, and mining; as well as supporting general business process improvement.

These additional libraries mean that your CT model will not be left in isolation; you can use the same software to look beyond the yard operations, such as ship, road or rail activities. This means that you only need one simulation tool, saving time and training.

GETTING STARTED:

For more information contact Kenny Macleod of TMN Simulation; Flexsim’s Australian and New Zealand distributor:

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