



The Standard in Cost-Effective Simulation for Training Heavy Equipment Operators

The Industry-Focused Logistics Lab with Simulation at Promise Career Institute

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Speakers

Paul Freedman
Founder,
President

Simlog

Zawadi Dismuke
CTAE Logistics & Supply Chain
Management Instructor

The Promise Career Institute
(Fulton County Schools)

Simlog, the CTE Market Leader (1999)

- ▶ over 700 CTE customers in North America
- ▶ 7 innovation awards
- ▶ 4,000 software licenses sold
- ▶ customers in 73 countries all around the world
- ▶ over 25 reselling partners, including *Technical Training Aids*
- ▶ “Personal Simulators” for 17 different kinds of heavy equipment

Sample Products



Forklift



Reach Lift Truck



Stand Up Lift Truck



Skid Steer Loader



Backhoe Loader



Hydraulic Excavator



Bulldozer



Mobile Crane



Wheel Loader



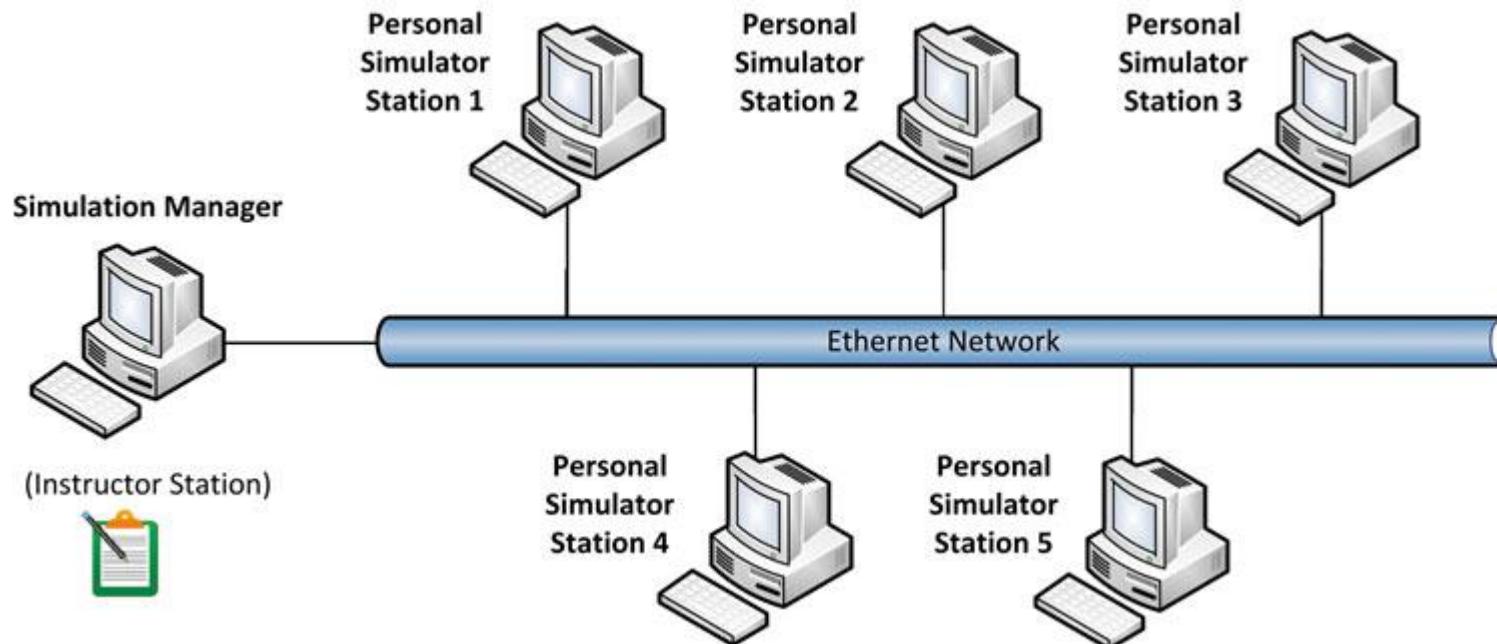
Off-Highway Truck

Simulation Manager (1)

- ▶ Separate Simlog software program
- ▶ Provides a common database “back end” for *all* our simulation software programs
 - assign a login name / password to each *User*
 - group *Users* into *Classes*
 - store all the simulation results together

Simulation Manager (2)

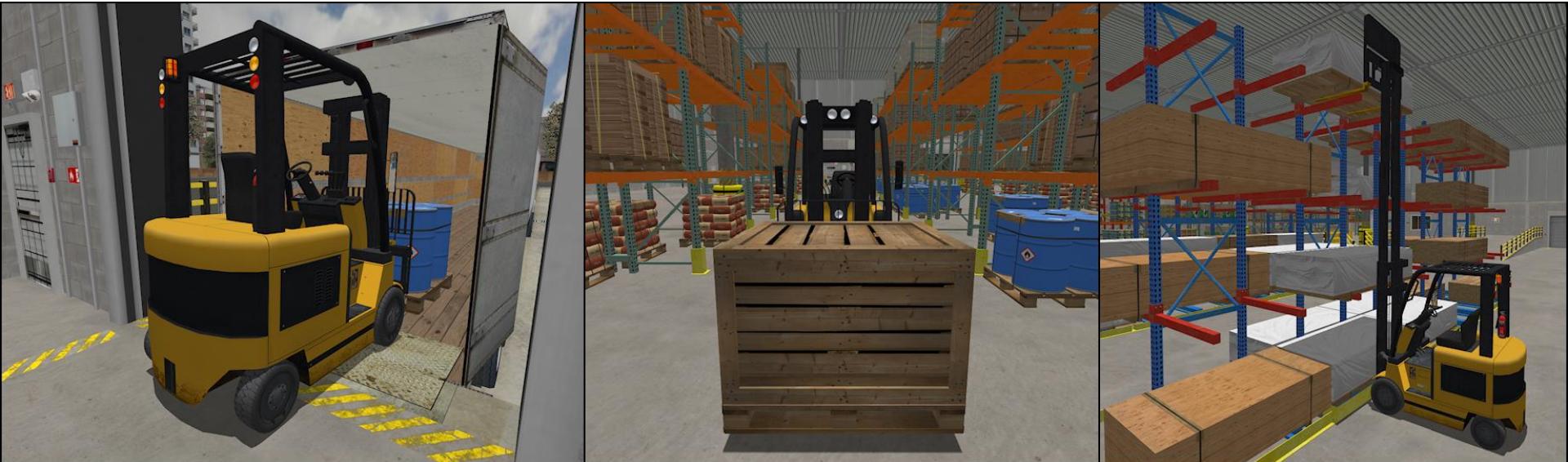
Designed for deployment in a simulator “lab”



Simlog Software

- ▶ “generic” 3D modelling
- ▶ no OEM specifics → focus on “core skills”
- ▶ multiple languages (English, Spanish, etc.)
- ▶ *no Internet access required*

1st Example: Forklift Personal Simulator



Simlog Operator Chair for Forklift



Integrated Vibration System (Low Frequency Sound Transducer with Amplifier and Sound Control)



Tabletop Replica Controls



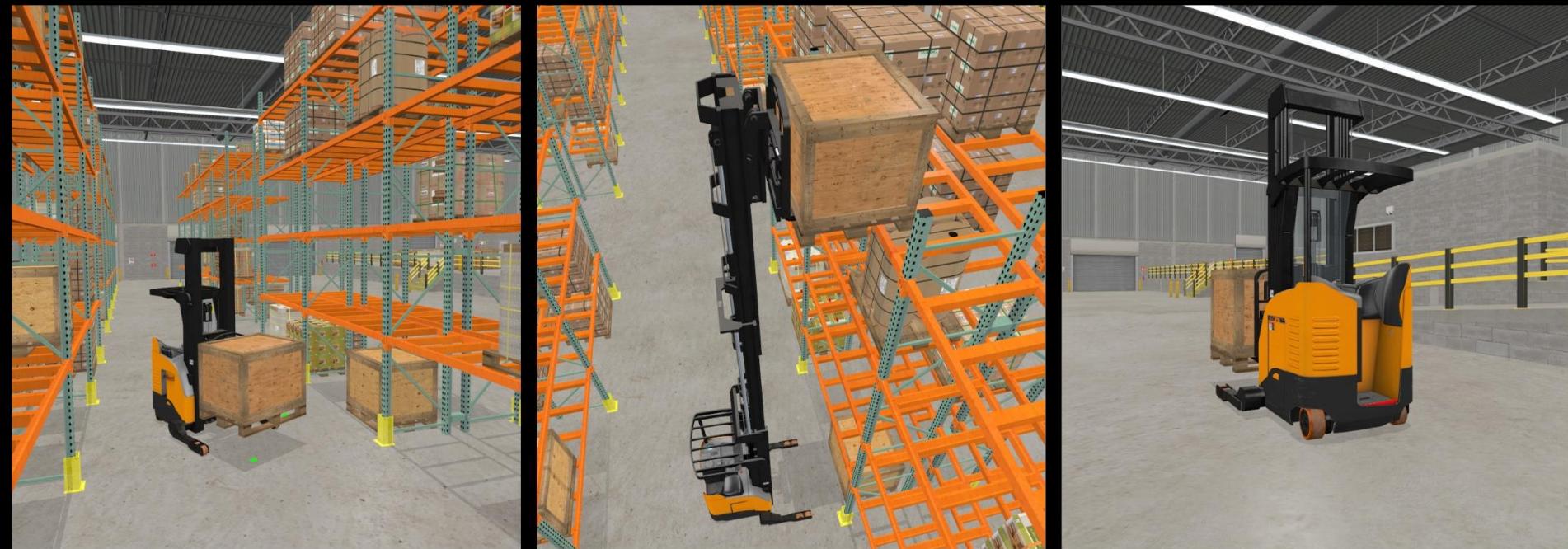
Simulator Controls:

- Replica Control Levers
- Steering Wheel
- Pedals
- Replica Transmission lever

Custom Travel Cases for Easy Portability



2nd Example: Reach Lift Truck Personal Simulator



Industrial Controls for Reach Lift Truck



Tabletop Replica Controls



Simulator Controls:

- Replica Control Joystick
- Steering Wheel

(no pedals, no transmission lever)

2 Options for Joystick Orientation

Our Instructional Design

- For each Simulation Module, comprehensive *Performance Indicators* measure how *quickly* and how *carefully* people are working.
- The simulation software automatically tracks the values of these Performance Indicators, to create simulation results.
- The simulated tasks “align” with real world lift truck operating standards.

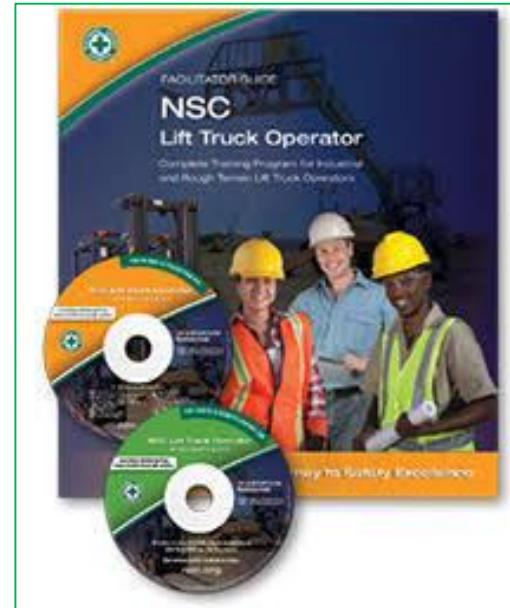
Alignment with Certification Standards

Our *Instructional Designs* are developed to “align” with standardized training curricula.

For the material handling industry, we look to OSHA and the National Safety Council’s *Lift Truck Operator Certification* standards:

- *know* enough: Knowledge Exam (theory)
- *do* enough: Practical Exam (demonstrating skills)

OSHA + National Safety Council



Sample “Crosswalk” for Forklift Operations



National Safety Council Practical Exam Task	Simlog Simulation Module
Basic Forklift Operations	Slalom 1, 2, 3
Driving on a Ramp	Ramp Driving
Work in Standard and Narrow Aisles	Selective Pallet Racks 1, 2 Drive In / Drive Through Racks
Work at Loading Docks	Loading Docks 1, 2, 3, 4, 5, 6

Low Total Cost of Ownership

Software licenses sold “per PC”

- ▶ no restrictions on the number of people you train
- ▶ one-time purchasing
 - *no* annual software “subscription” fee
 - *no* annual “maintenance” fee
 - *free* online help (telephone, email, ZOOM), for technical support
 - *live* online product training available from Simlog

Learn more at our Booth!
#649

Customer Success Story:

Promise Career Institute
(Fulton County Schools)(GA)



THE PROMISE CAREER INSTITUTE

Our Promise. Your Future.



Ms. Zawadi Dismuke

LOGISTICS AND SUPPLY
CHAIN MANAGEMENT
PROFESSOR



Education

**B.A. Supply Chain Management
(SCM)**

Howard University

M.B.A. Global SCM

Wayne State University

Experience

Raw Materials Sourcing

Alcoa

**Manufacturing Supplier Quality,
Purchasing Program
Management, Dealership
Network Development**

Chrysler (Stellantis)

**Marketing & Communications
Contracting, International
Program Operations Deployment**

United Parcel Service (UPS)

The Promise Career Institute



MISSION

We are committed to cultivating a pipeline of talent that transcends conventional boundaries through fostering the development of innovative thinkers, skilled professionals, and resilient leaders.



VISION

The Promise Career Institute will stand as a catalyst to ignite generational transformations in students' lives and reshape global perspectives on education.



CORE VALUES

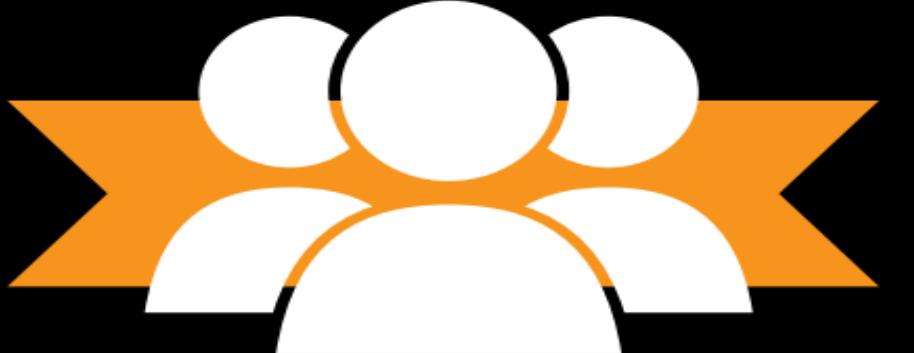
Self-Discipline
Teamwork
Resilience
Innovation
Professionalism
Empowerment
Service Leadership
S.T.R.I.P.E.S.



Student Enrollment

★ **336** ★

STUDENTS
ENROLLED



99 **FRESHMEN**

132 **SOPHOMORES**

57 **JUNIORS**

48 **SENIORS**

Traditional & ACCELERATED CAREER

DIPLOMA COMPARISON

Traditional Diploma

23 Required High School
Credit
& **Optional** College Credit

Accelerated Career Diploma

9 Required High School
Courses
+ **Required** College Credit



Programs of **STUDY**



Automotive
Technology*



Avionics
Technology*



Computer
Networking

Programs of **STUDY**



Cybersecurity



Design and Media
Production
Technology



Diesel Technology*

Programs of **STUDY**



Early Childhood Care
and Education



Logistics and Supply
Chain Management



Welding

Programs of **STUDY**



Certified Nursing
Assistant



Emergency Medical
Technician

NEW

High Demand Careers

**Positive Projected
Growth**

**Annual Job
Openings**



High Wage

Public Good

Credentials

College Credit at No Cost

Average College Tuition & Fees at Ranked Colleges

2025-2026

Private

\$44,961



Public, out-of-state

\$25,415



Public, in-state

\$11,371



Source: (U.S. News/Paying for College)

PROGRAM OF STUDY INFORMATION CARD

LOGISTICS AND SUPPLY CHAIN MANAGEMENT

TECHNICAL CERTIFICATES OF CREDIT (TCCs) AND COURSES

LM21 Logistics Management Specialist

- COMP 1000 - Introduction to Computer Literacy (3)
- LOGI 1000 - Business Logistics (3)**
- LOGI 1010 - Purchasing (3)
- LOGI 1020 - Materials Management (3)
- XXXX xxxx - Advisory Guided Elective (3)
- MGMT 1100 - Principles of Management (3) OR MGMT 2200 - Production/Operations Management (3)
- Program: 18 Credit Hours

SCS1 Supply Chain Specialist

- LOGI 1000 - Business Logistics (3)**
- SCMA 1000 - Introduction to Supply Chain Management (3)
- SCMA 1003 - Introduction to Transportation and Logistics Management (3)
- SCMA 1015 - E-Commerce in Supply Chain Management (3)
- SCMA 2103 - Supply Chain Management Concepts (3)
- SCMA 2106 - Key Issues in the Global Integrated Supply Chain (3)
- Program: 15 Additional Credit Hours

Technical Certificates of Credit (TCCs) will exceed the 30 credit hour cap for dual enrollment. Both programs are eligible for However, both Technical Certificates of Credit will be fully funded through Dual Enrollment Funding and the HOPE Career Grant.



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Our Training Program

Semester 1 - Fall 2025

Module	Skill Set	Dedicated Practice Hours
Slalom 1	Forward Driving, Standard Load	9 hours
Slalom 2	Oversized Load	7 hours
Slalom 3	Reverse Driving, Tall Load	4 hours

Up to 130 Hours of Hands-On Practice Each Year

Loading Docks 4	Stacking	7 hours
Loading Docks 5	Unloading + Stacking	4 hours
Loading Docks 6	Cube Utilization	7 hours
Selective Pallet Racks 1	Low Shelves	4 hours
Selective Pallet Racks 2	Mixed Shelves	7 hours
Drive-In / Drive-Through Racks	Advanced Maneuvering	4 hours
Oversized Loads, Cantilever Racks, Flatbed Truck	Advanced Maneuvering	7 hours

Hitting the Mark

Selective Pallet Racks 1

Performance Indicator	Target Value
Execution time (mm:ss)	15:00
Total time in exterior view (mm:ss)	0:00
Maximum forward driving speed (mph)	5
Average forward driving speed (mph)	3.5
Maximum reverse driving speed (mph)	3 or less
Average reverse driving speed (mph)	less than 3
Maximum mast angle while driving (deg)	5.0
Average mast angle while driving (deg)	3.5
Maximum fork height above floor while driving (ft)	0.5
Maximum height of wheels above floor (ft)	0
Maximum driving speed at pick-up (mph)	0
Average driving speed at pick-up (mph)	0
Maximum orientation error at pick-up (deg)	3.5
Average orientation error at pick-up (deg)	0.5
Maximum mast angle at pick-up (deg)	0
Average mast angle at pick-up (deg)	0
Maximum distance between load and mast at pick-up (ft)	0.25
Average distance between load and mast at pick-up (ft)	0.15
Maximum centering error at pick-up (ft)	0.25
Average centering error at pick-up (ft)	0.15
Maximum g-force of load at impact (g)	5
Collisions: fork/floor	0
Collisions: load/load	0
Collisions: fork/load	0
Collisions: forklift chassis/load	0
Collisions: load/rack	0
Collisions: fork/rack	0
Collisions: mast/rack	0
Collisions: forklift chassis/rack	0
Collisions: load/shelf	0
Collisions: fork/shelf	0
Collisions: mast/shelf	0
Collisions: forklift chassis/shelf	0
Collisions: load/obstacle	0
Collisions: fork/obstacle	0
Collisions: mast/obstacle	0
Collisions: forklift chassis/obstacle	0
Collisions: load/slalom barrel	0
Collisions: fork/slalom barrel	0
Collisions: forklift chassis/slalom barrel	0

Slalom 1

Performance Indicator	Target Value
Execution time (mm:ss)	2:00
Total time in exterior view (mm:ss)	0:00
Maximum forward driving speed (mph)	5
Average forward driving speed (mph)	3.5
Maximum reverse driving speed (mph)	3 or less
Average reverse driving speed (mph)	less than 3
Maximum mast angle while driving (deg)	5.0
Average mast angle while driving (deg)	3.5
Maximum fork height above floor while driving (ft)	0.5
Maximum height of wheels above floor (ft)	0
Maximum driving speed at pick-up (mph)	0
Average driving speed at pick-up (mph)	0
Maximum orientation error at pick-up (deg)	3.5
Average orientation error at pick-up (deg)	0.5
Maximum mast angle at pick-up (deg)	0
Average mast angle at pick-up (deg)	0
Maximum distance between load and mast at pick-up (ft)	0.25
Average distance between load and mast at pick-up (ft)	0.15
Maximum centering error at pick-up (ft)	0.25
Average centering error at pick-up (ft)	0.15
Maximum g-force of load at impact (g)	5
Collisions: fork/floor	0
Collisions: fork/load	0
Collisions: forklift chassis/load	0
Collisions: load/rack	0
Collisions: fork/rack	0
Collisions: mast/rack	0
Collisions: forklift chassis/rack	0
Collisions: load/shelf	0
Collisions: fork/shelf	0
Collisions: mast/shelf	0
Collisions: forklift chassis/shelf	0
Collisions: load/obstacle	0
Collisions: fork/obstacle	0
Collisions: mast/obstacle	0
Collisions: forklift chassis/obstacle	0
Collisions: load/slalom barrel	0
Collisions: fork/slalom barrel	0
Collisions: forklift chassis/slalom barrel	0

Ramp Driving

Performance Indicator	Target Value
Execution time (mm:ss)	7:00
Total time in exterior view (mm:ss)	0:00
Time spent on ramp with forks empty while facing the wrong direction	0:00
Time spent on ramp with a load while facing the wrong direction	0:00
Maximum driving speed driving up ramp with a load (mph)	5
Average driving speed driving up ramp with a load (mph)	3.5
Maximum driving speed driving up ramp with forks empty (mph)	5
Average driving speed driving up ramp with forks empty (mph)	3.5
Maximum driving speed driving down ramp with a load (mph)	5
Average driving speed driving down ramp with a load (mph)	3.5
Maximum driving speed driving down ramp with forks empty (mph)	5
Average driving speed driving down ramp with forks empty (mph)	3.5
Maximum fork height above floor while driving (ft)	0.5
Maximum height of wheels above floor (ft)	0
Maximum orientation error at pick-up (deg)	3.5
Maximum mast angle at pick-up (deg)	0
Average mast angle at pick-up (deg)	0
Maximum distance between load and mast at pick-up (ft)	0.25
Average distance between load and mast at pick-up (ft)	0.15
Maximum centering error at pick-up (ft)	0.25
Average centering error at pick-up (ft)	0.15
Maximum g-force of load at impact (g)	5
Collisions: fork/floor	0
Collisions: load/load	0
Collisions: forklift chassis/load	0
Collisions: load/rack	0
Collisions: fork/rack	0
Collisions: mast/rack	0
Collisions: forklift chassis/rack	0
Collisions: load/shelf	0
Collisions: fork/shelf	0
Collisions: mast/shelf	0
Collisions: forklift chassis/shelf	0
Collisions: load/obstacle	0
Collisions: fork/obstacle	0
Collisions: mast/obstacle	0
Collisions: forklift chassis/obstacle	0
Collisions: load/slalom barrel	0
Collisions: fork/slalom barrel	0
Collisions: forklift chassis/slalom barrel	0

Loading Docks 1

Performance Indicator	Target Value
Execution time (mm:ss)	5:00
Total time in exterior view (mm:ss)	0:00
Maximum forward driving speed (mph)	5
Average forward driving speed (mph)	3.5
Maximum reverse driving speed (mph)	less than 3
Maximum mast angle while driving (deg)	5.0
Average mast angle while driving (deg)	3.5
Maximum fork height above floor while driving (ft)	0.5
Maximum height of wheels above floor (ft)	0
Maximum orientation error at pick-up (deg)	3.5
Maximum mast angle at pick-up (deg)	0
Average mast angle at pick-up (deg)	0
Maximum distance between load and mast at pick-up (ft)	0.25
Average distance between load and mast at pick-up (ft)	0.15
Maximum centering error at pick-up (ft)	0.25
Average centering error at pick-up (ft)	0.15
Maximum g-force of load at impact (g)	5
Collisions: fork/floor	0
Collisions: load/load	0
Collisions: forklift chassis/load	0
Collisions: load/rack	0
Collisions: fork/rack	0
Collisions: mast/rack	0
Collisions: forklift chassis/rack	0
Collisions: load/shelf	0
Collisions: fork/shelf	0
Collisions: mast/shelf	0
Collisions: forklift chassis/shelf	0
Collisions: load/obstacle	0
Collisions: fork/obstacle	0
Collisions: mast/obstacle	0
Collisions: forklift chassis/obstacle	0
Collisions: load/slalom barrel	0
Collisions: fork/slalom barrel	0
Collisions: forklift chassis/slalom barrel	0

Driving

Safety

95

87

**People Seriously
Injured Every Day**

**Annual Forklift
Related Deaths**

36%

25%

Pedestrian Deaths

Overtake Accidents

11%

70%

**Forklifts Involved in
Accidents Annually**

**Accidents Prevented with
Proper Training**



Immigration



Immigration



THE PROMISE CAREER INSTITUTE

Industry **PARTNERS**



Our Leadership



Yalandra Bell
Principal



Dea Kunovac
Fulton County CTE Director

Thank You



TARRIE TRAYLOR
DEAN OF INNOVATION &
STRATEGIC PARTNERSHIPS



CASSANDRA JAMES
ASSISTANT PRINCIPAL



YALANDRA BELL
PRINCIPAL



LASTASHA SIMMONS
ASSISTANT PRINCIPAL



BILLY D'HAITI
DEAN OF STUDENTS



ALISA FORTS-JAMES
GRADUATION COACH



ASHLEY COSBY
SCHOOL COUNSELOR



NDIYA ONUOHA
HEAD COUNSELOR



MICHELLE DANCE
SCHOOL COUNSELOR



JAMEL HOBSON
MTSS/504 SUPPORT

PCI.FULTONSCHOOLS.ORG