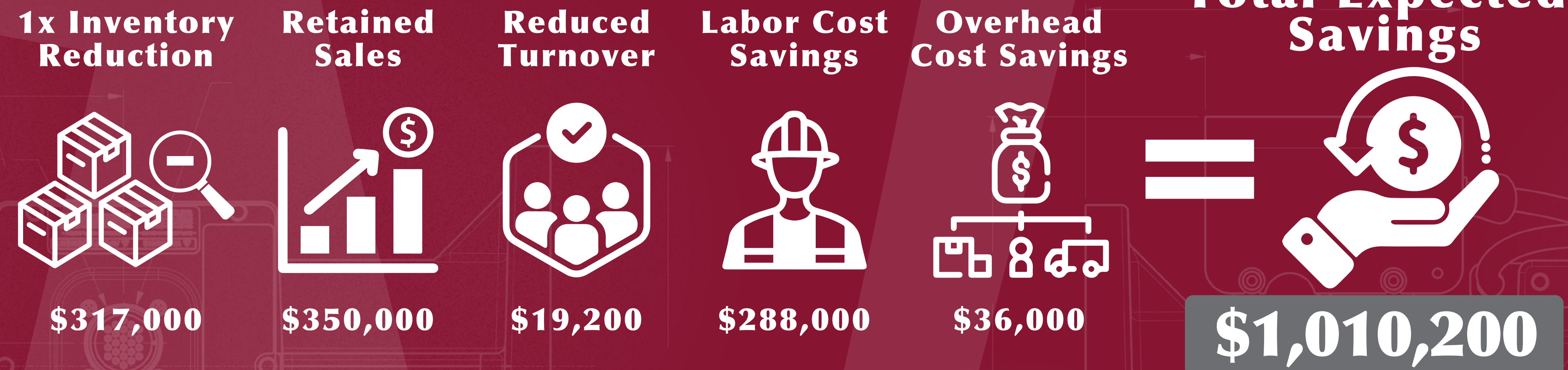


Company Description

A design and manufacturing company that delivers energy control solutions to power a clean future.



Impact



Results

Reduced Lead Time Standard Deviation

Lead time standard deviation reduction		
	Baseline (days)	Current (days)
PISC	1.16	0.31
GEN2/3	0.81	0.13
LITB	1.87	2.70*

*Limited Data Available

Established Maximum Capacities

Maximum Capacity 8-Hrs				Maximum Capacity 10-Hrs			
# Emp	PISC	GEN2/3	LITB	# Emp	PISC	GEN2/3	LITB
0	0	0	0	0	0	0	0
1	9.63	8	4.85	1	12.04	10	5.61
2	18.75	17.6	8.99	2	23.43	22	11.25
3	27.40	28	12.07	3	34.34	35	15.09
4		20.8	13.42	4		26	16.78

Maximum Throughput for Each Cell

Solution Playbook

A responsive tool that outputs employee cell rotations and SWIP levels based on staffing available and daily production requirements.

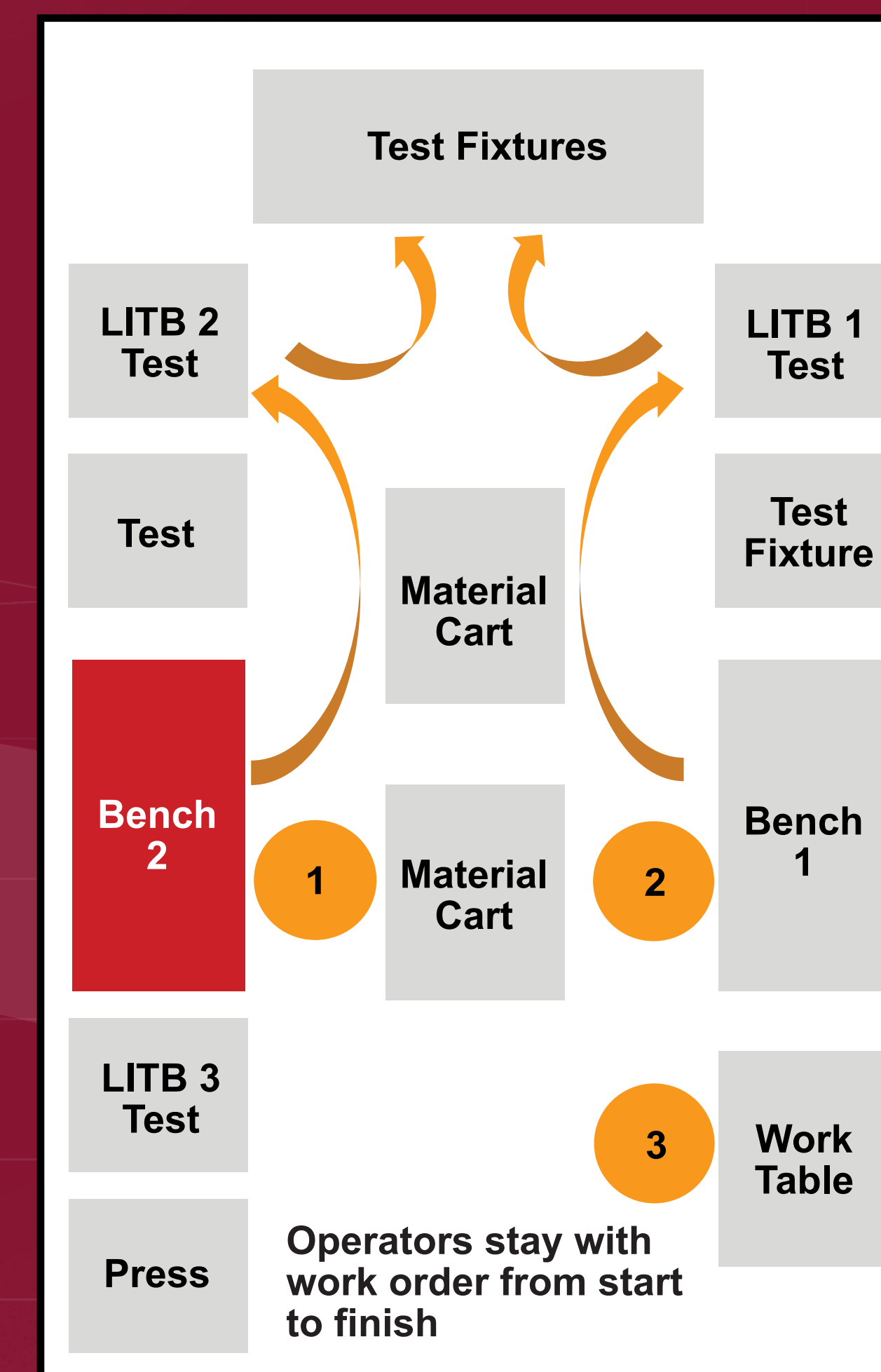
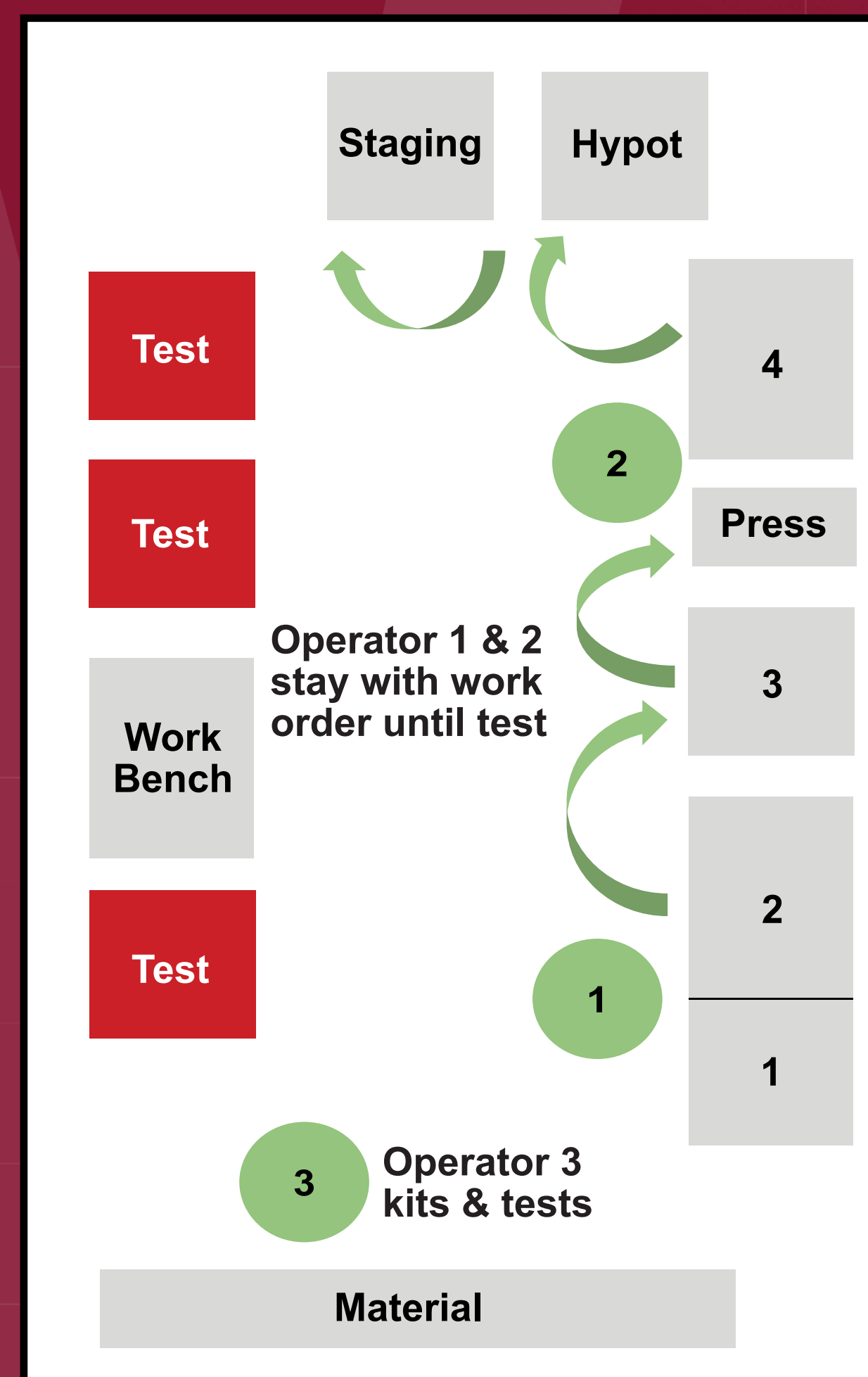
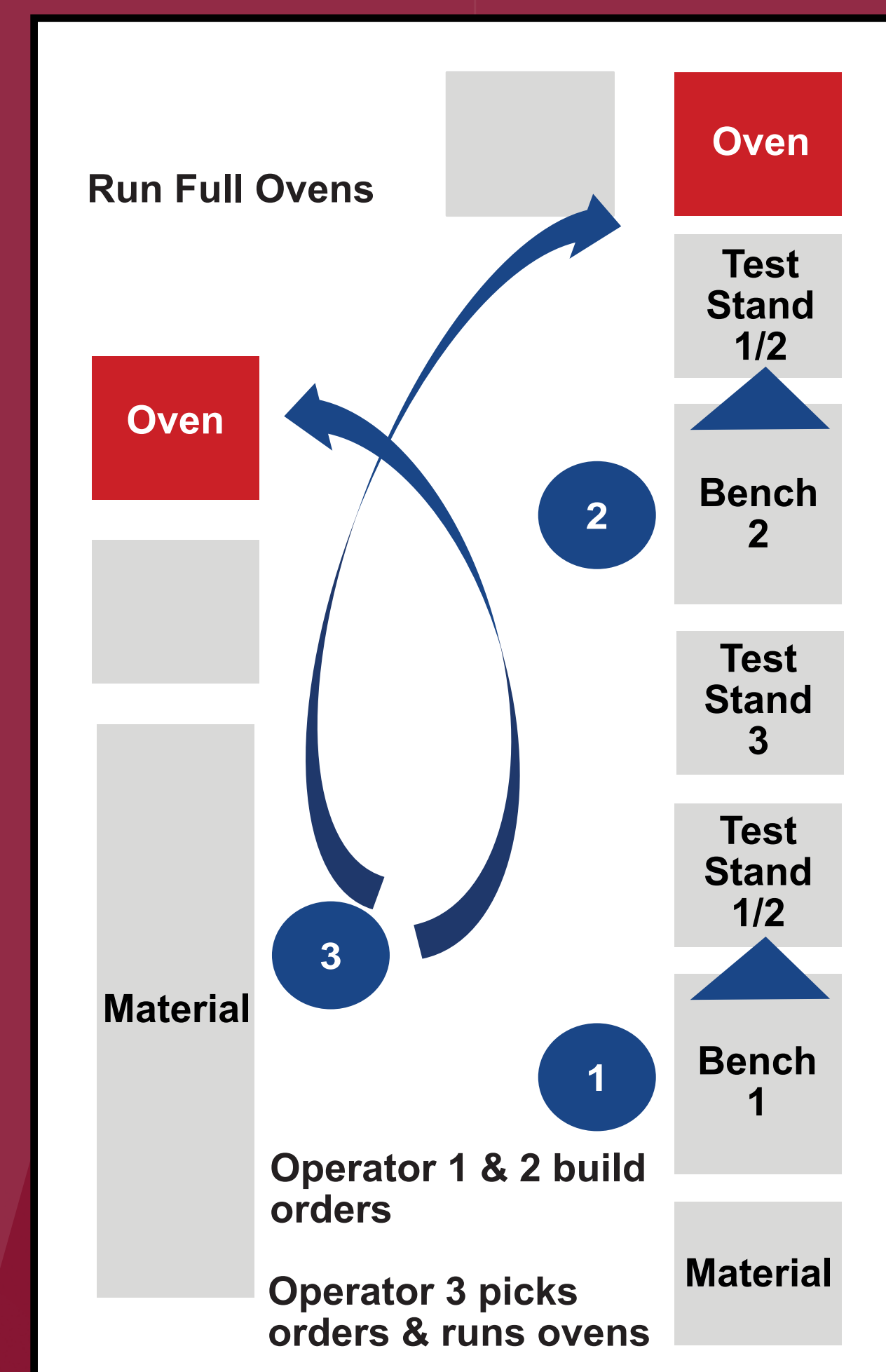
Project Description



PISC Production			
Employees	3	1	1
SWIP	25	3	3
MAX DBR	27	10	10
Rework Poss.	No		
DBR Attainability	67%		

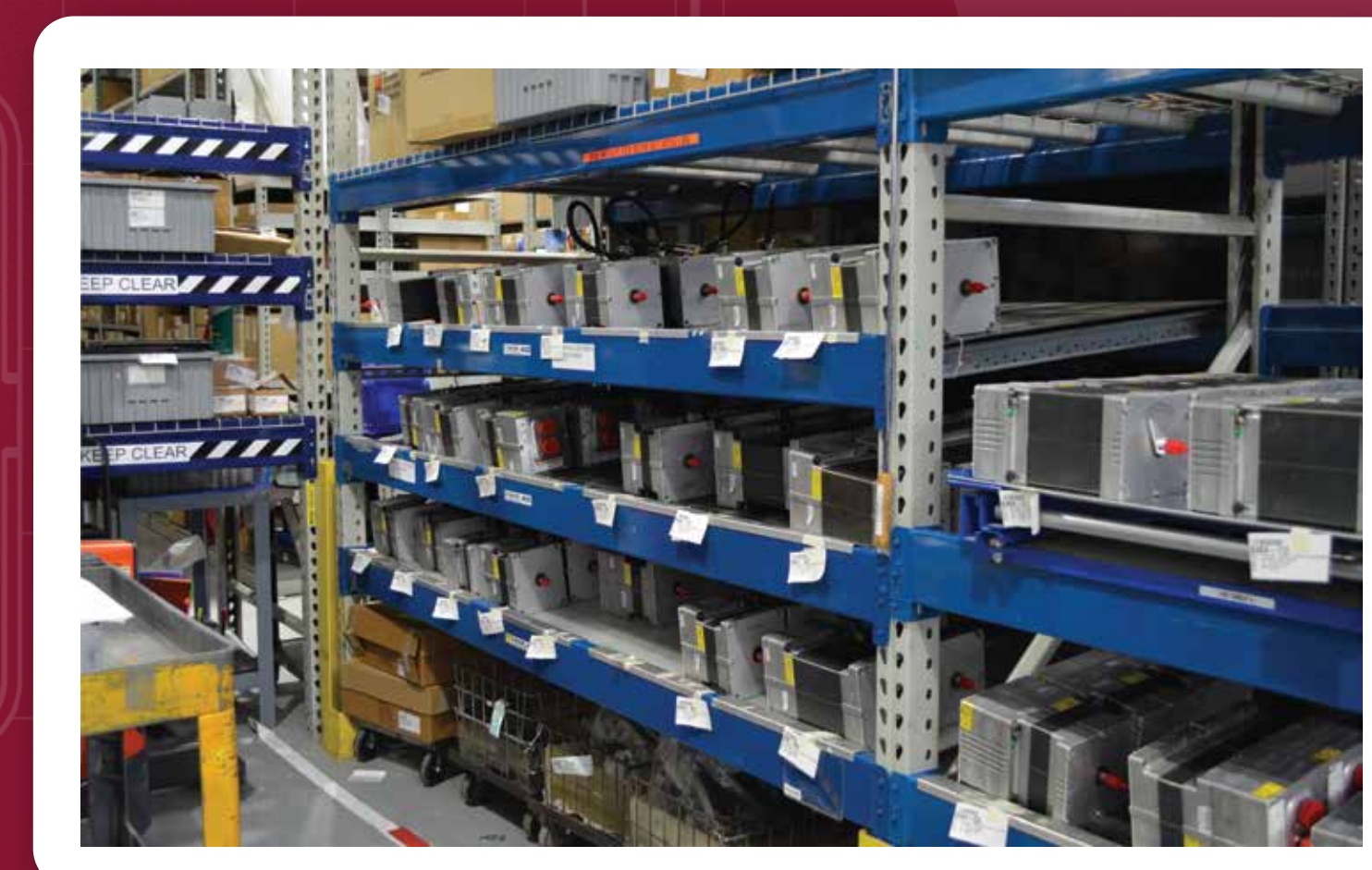
GEN2/3 Production			
Employees	3	2	1
SWIP	17,286	10,233	3,839
MAX DBR	28	17.6	8
Rework Poss.	Yes		
DBR Attainability	153%		

LITB Production			
Employees	3	2	1
SWIP	8,344	5,612	2,936
MAX DBR	12.072	8.996	4.848
Rework Poss.	Yes		
DBR Attainability	104%		

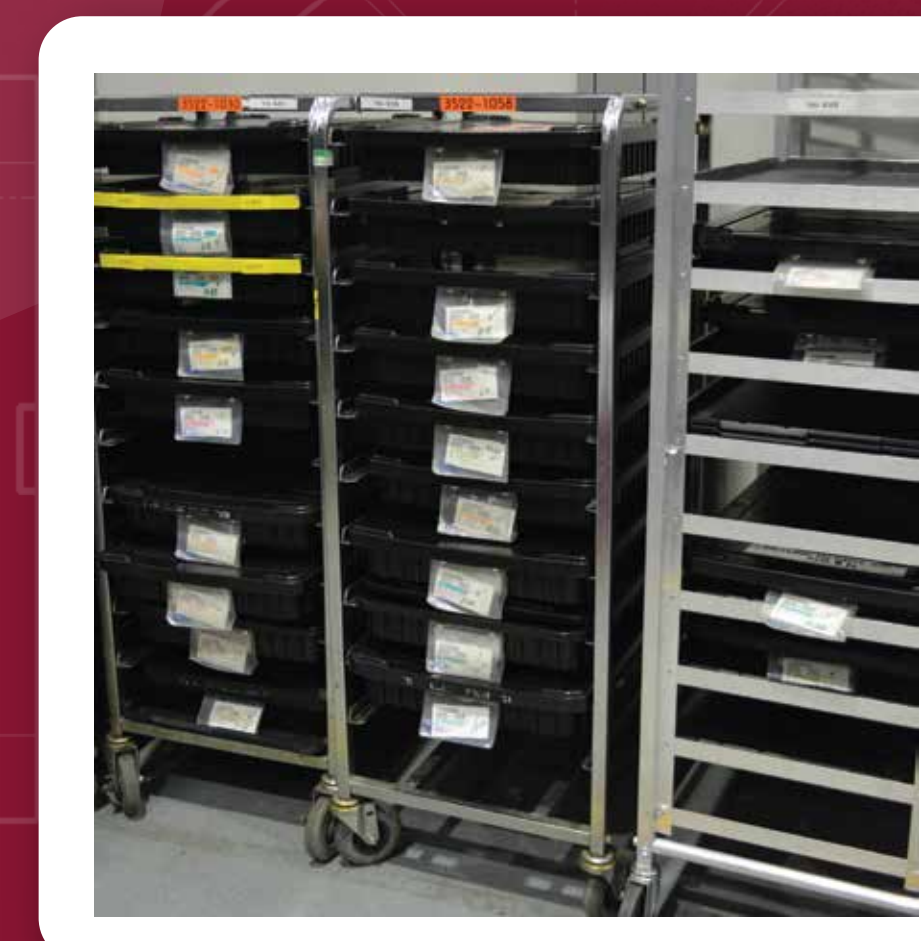


Visual representation of how members move through the cells to reach daily goals.

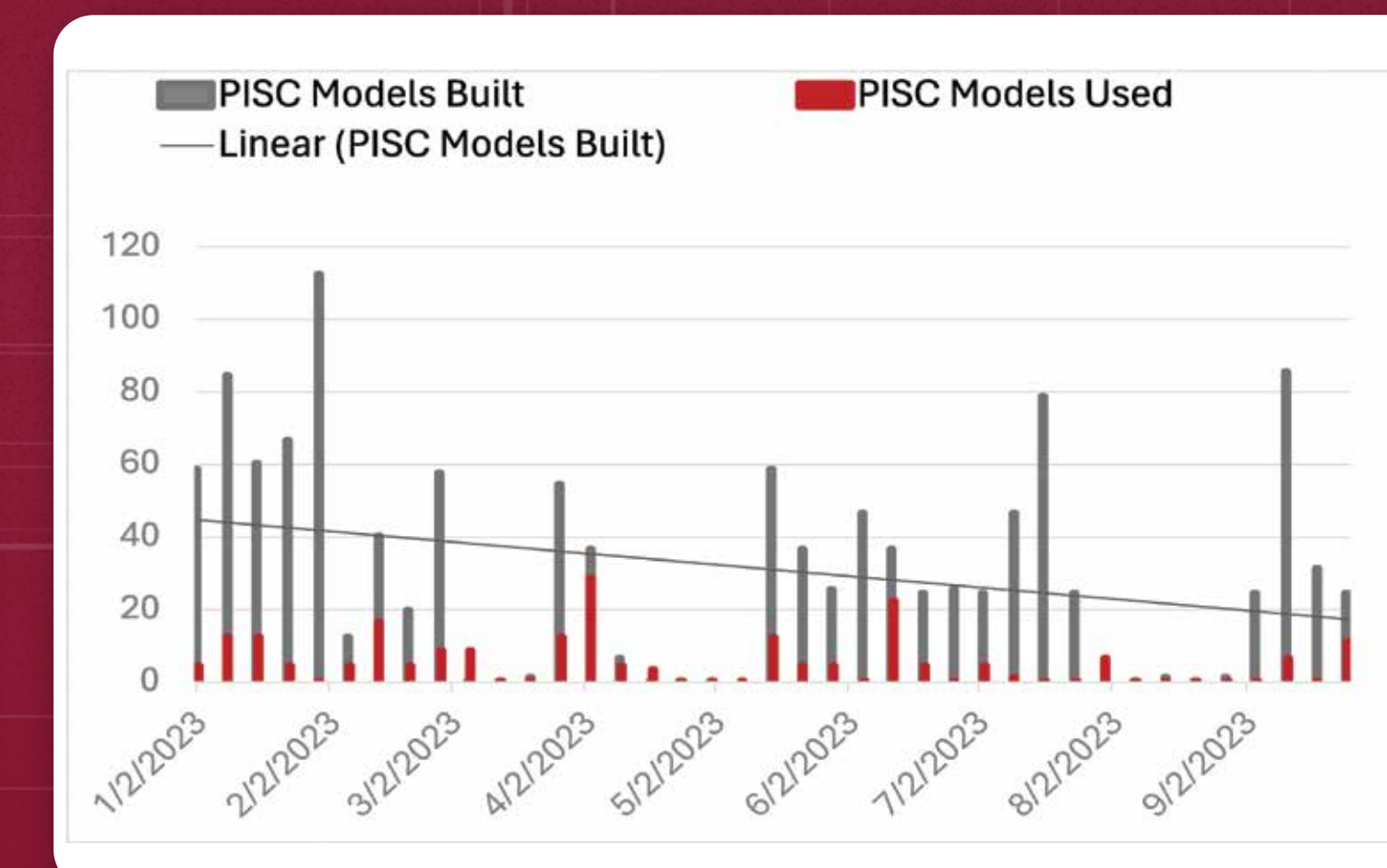
Reestablished Inventory Levels



Current GEN2/3 Inventory



Current PISC Inventory



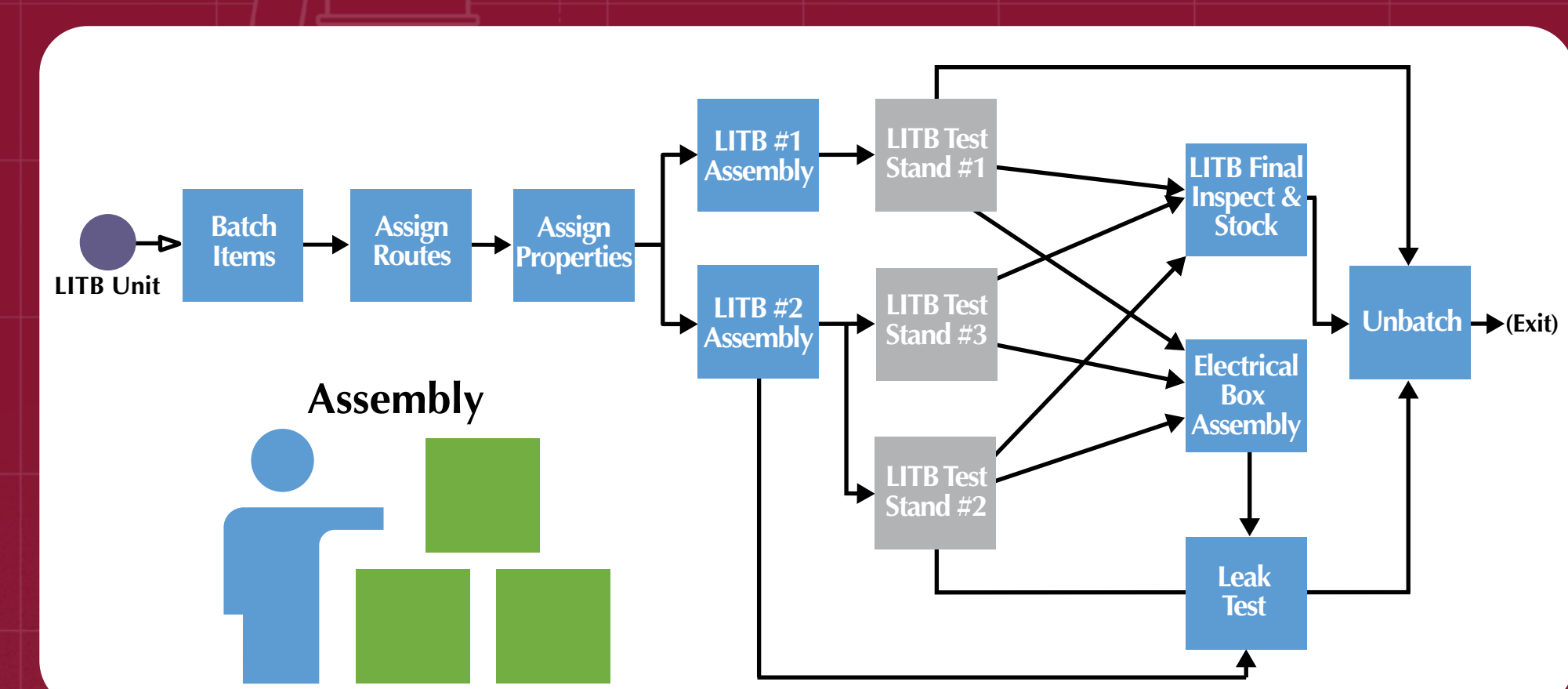
PISC Models Built vs. Used

Solution Development

Data Gathering



Simulation



Objectives

- Set Up Standardized Work in Process (SWIP)**
0% SWIP → 100% SWIP
- Reduce Lead Time Standard Deviation by 25%**
PISC: 1.16 → 0.87 days
GEN2/3: 0.81 → 0.61 days
LITB: 1.87 → 1.40 days
- Establish Maximum Capacity of Each Cell**
No Maximum Capacity Established → Maximum Capacity Established

Future Capabilities

Product Lines Expected to be Expanded to **8**
 Expected Savings From the Expansion

\$3,328,000