

The LeanActivity Factory Game

A Lean Simulation and Training Model

A modern Approach to teach Lean Management

Lean Management is relevant for every manufacturer worldwide. However, training and maintaining a certain Lean level within an organization remain challenging for most companies. The LeanActivity Games are a perfect fit for this need, offering up to 16 players and a coach an four hour gameplay sessions that teach your organization and help you develop a Lean mindset. The game begins with an ordinary production plant. Step-by-step, team members implement Lean principles to improve assembly processes, learning the pros and cons of each tool and the logic behind them. Upon finishing the game, players are equipped to begin applying Lean principles within their organization."

The Lean Factory Game

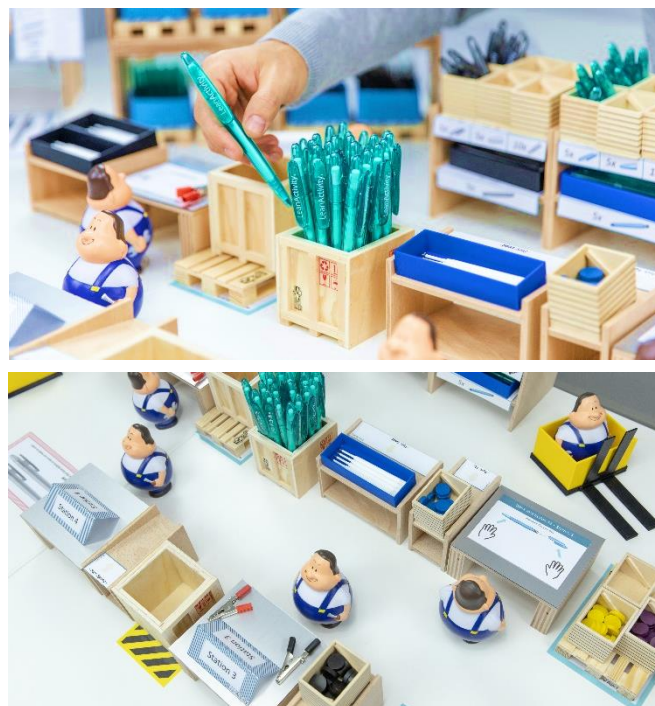
- 1. Simulating an Assembly Process**

The game is based on a model of a pen manufacturer. Within six assembly stations, the players have to assemble simple pens according to the assembly sequence and instructions.
- 2. Material Packaging**

All boxes and pallets are made of solid wood. The Euro Pallet comes at a 1-to-10 scale (8 cm x 12 cm). All game elements like boxes, stations, operators or fork lifts are according to that 1-to-10-scale.
- 3. The Operators**

All workers and assembly operators are made of high quality materials. When playing the game, the participants will love the look and feel, and the consistency within the entire factory model.
- 4. Fork Lift and Route Train**

A key element of Lean Management are route trains. As part of the supply chain, they connect everything together. Both, the route train and fork lift, are made of high quality PVC material. The logistic operator perfectly fits inside the vehicle.



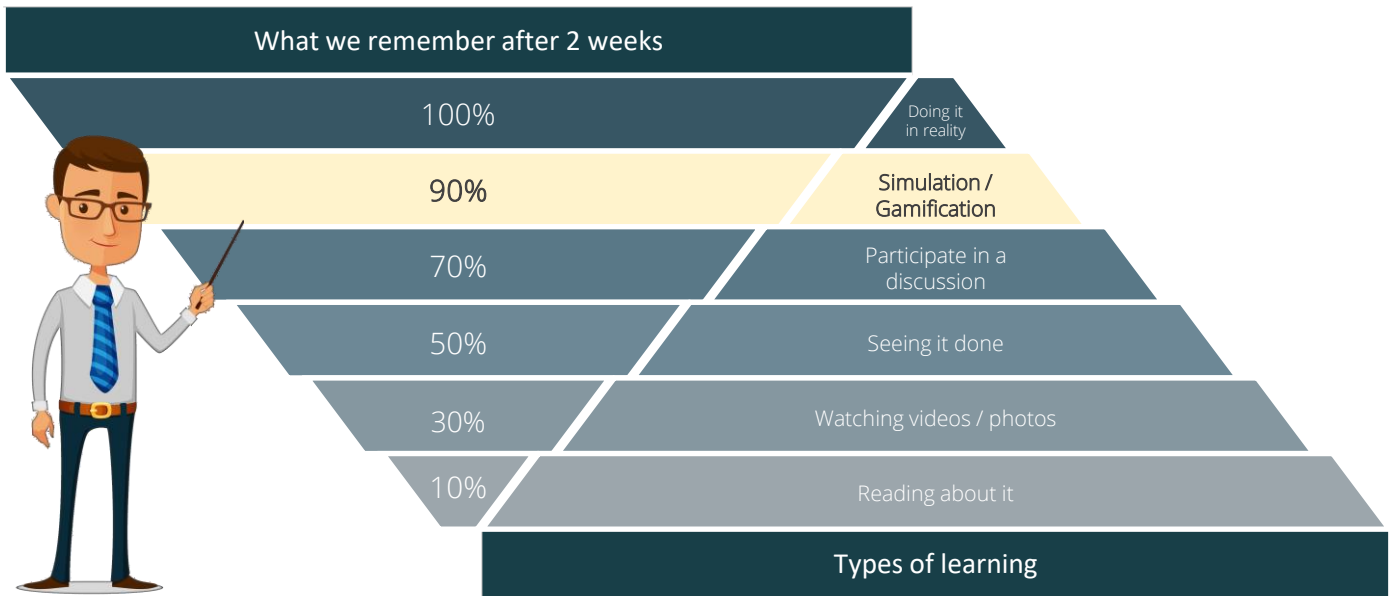
Gamification = Long-term Training Success

Contact us for individual offers and customized product solutions. Scan the QR code, visit <https://leanactivity.com> or contact us via info@leanactivity.com.



Why should you use the LeanActivity Training Game?

People learn best by working with their hands instead of reading about it. Same implies the **Cone of Learning** by E. Dale:



When coaching your team with the LeanActivity Training Game, the knowledge transfer will be **10x times more intense** after 14 days compared to just reading about it. This will not just save money, but time.

The LeanActivity Factory Game acts as a real production site including warehousing, logistics, assembly sequences and work instructions. The product is assembled on seven stations by seven line operators. The players will become real factory operators on the shop floor.

Eliminate waste: This game forms a mindset of eliminating waste. The initial factory condition is full of waste. Let the team detect waste in the processes and find smart solution to eliminate it.

Learn from mistakes: By touching the elements with your hands, you will have a deeper relation to the factory model and processes. You will learn and understand relations and will be able to learn from mistakes to define new ways of improving.

Gamification increases acceptance across the organization: By training Lean tools within a simulated factory model, the principles will be transferred much easier.

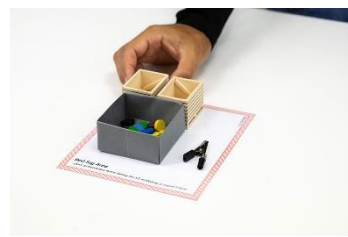


Gamification: Enhanced Learning Experience

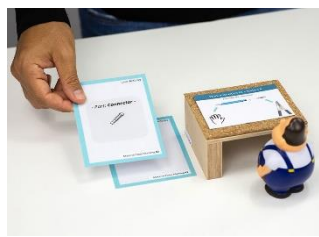
LeanActivity is based on teaching the Lean management principles and tools in a playful way. By doing so, it will strengthen the team spirit, the Lean mindset and finally helps you to form a Lean culture in your company.



Use your hands to modify the processes of the factory model.



Identify waste inside the assembly processes by working as an operator.



Apply Lean principles and immediately see the impact.



Use the game instructions to play real business cases and scenarios.

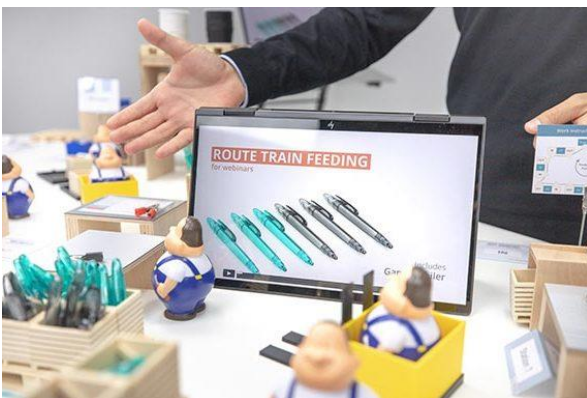
In-Game-Scenes of the LeanActivity Factory Game



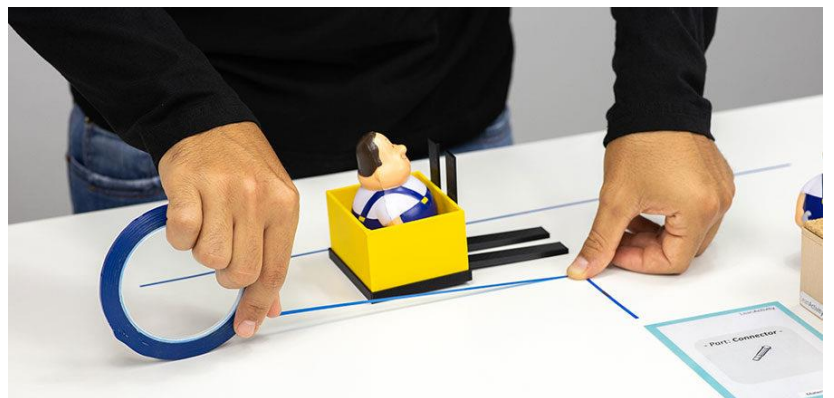
A **ballpoint pen** is installed across 7 workstations. The participants have direct contact with the game elements



Use **visualization elements** for clear processes



Show the **introduction videos** to the participants



Use the **marking tape** to determine the logistics routes



Conduct a **SMED workshop** in the team



Try different layouts and **improve the material flow**



The participants will understand easily the **weaknesses of a fork lift** and the **benefits of Lean logistics** by playing the game.

✓ Gamification ✓ Coaching Success ✓ Lean Understanding ✓ Lean Acceptance ✓ Efficiency

How the Gameplay looks like?

What is the Goal within the Game?

The task of the training participants is to **produce 10 pens** as quickly as possible and thus to **fulfill the customer order**. During the entire game, 4 simulation rounds are carried out and the time required to produce the 10 pens is measured in each round. **Lean principles and tools are introduced** between the simulation rounds, which **enable efficient production**.



Key facts about the Gameplay

- Train **6-12 people** in one training session
- Duration of one session: **3-4 hours**
- The Game is structured in **10 Game Rounds**
- The **Game Instructions** leads through the game in simple steps
- All Game Instructions, videos and are available on the **Online Platform**
- All physical game elements comes **within a trolley case**

Which Lean Principles & Tools are introduced?

1. Introduction to Lean Manufacturing

What is Lean? What are the seven Types of Waste?

2. Standard Work: Start the Assembly Sequence

Step into the role of each operator. Get used to the assembly Instructions

3. The 5S Workshop: Implementing Visualization and Standardization

The team will get used to the importance of 5S and performs the very first 5S workshop

4. The Lean Layout Workshop

Teach the importance of a Lean Layout. The team will define the layout based on Lean measures

5. SMED: Performing a Change-Over Workshop

Perform a change-over workshop and learn the systematic approach of a SMED workshop

6. Lean Logistics: Implementing the Route Train

The forklift gets banned from the shopfloor and replaced by the route train

7. Small Material Boxes and the FIFO 2-Box Shelves

Implement the Supermarket and remove all large boxes from the shopfloor

8. The One-Piece-Flow Principle

Implement the one-piece-flow with zero buffer between the stations and highest efficiency

9. Design-for-Manufacturing: Involving R&D and the Customer Voice

Teach how important it is to involve all functions to your processes to eliminate waste in the factory

10. The Final Group Discussion and Team Commitment

Deep-dive into the learnings of the training and reflect the input. Commit on follow-up activities



Need more Information about the Game?

This is how your Lean Journey starts



Get in touch with us
via E-mail, Phone or WhatsApp



Game Introduction

Join the Live Demo and let us introduce you the entire Game

Quotation received

We will send you a Quotation in order to discuss the details internally



Place your Order


You are ready to go? Order your LeanActivity Game Set




Receive the Shipment & Access the Online Platform

The Game is shipped to you within 7-21 days

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LeanActivity.

