

# Gen3D

Words 2 Shapes



**GAIA**  
BY NEXTGRID

**NN** new native  
group



**SDAIA**  
الهيئة السعودية للبيانات  
والذكاء الاصطناعي  
Saudi Data & AI Authority



البرنامج الوطني  
لتنمية تقنية المعلومات  
National Technology  
Development Program



**GAIA**  
BY NEXTGRID

**NN** new native  
group



**SDAIA**  
الهيئة السعودية للبيانات  
والذكاء الاصطناعي  
Saudi Data & AI Authority



البرنامج الوطني  
لتنمية تقنية المعلومات  
National Technology  
Development Program

**Hajer Alkethiry**

---

**Fatimah Al-Tayeb**

---

**Mohammed Gaber**

---

**Thamary Alruhaily**

---

**Amna Moussa**

---

---

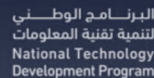
# What is the problem?

1. Struggling to find efficient ways to convert textual packaging ideas into 3D models for visualization and prototyping.
2. Spending too much time on manual and iterative design processes, which slows down overall product development.
3. Balancing aesthetics, functionality, and sustainability in food packaging designs while catering to the unique preferences and requirements of the Saudi market.
4. Keeping up with constantly changing industry trends, regulations, and consumer preferences in the region

# What is your solution?

The problem will be solved by using **Gen3D** by efficiently creating 3D models of packaging plastic and food containers from textual descriptions. into 2D images and applying modified dimension to 3D objects  
This offers several benefits to product developers and designers:

1. **Speed up the design process**
2. **Lower the barrier to entry**
3. **Iterative design**
4. **Cost reduction**
5. **Enhance creativity**



---

## How will this application make money?

**Commencing Partnership Model with product development team in plastic factory through customized contract , which helps them significantly speed up their design process to allow them reach new customers.**



**GAIA**  
BY NEXTGRID

**NN** new native  
group



**SDAIA**  
الهيئة السعودية للبيانات  
والذكاء الاصطناعي  
Saudi Data & AI Authority



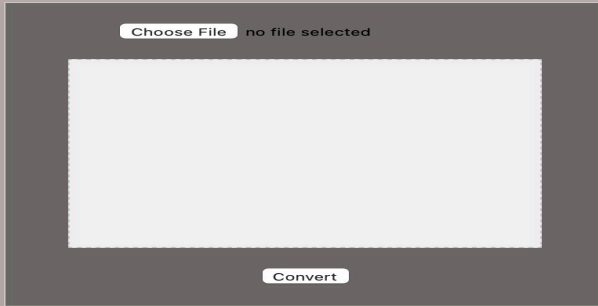
البرنامج الوطني  
لتنمية تقنية المعلومات  
National Technology  
Development Program



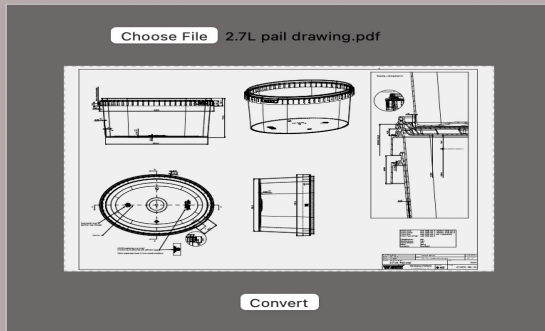
## **What is the Future?**

- Increase use of Gen3D in various industries
- Seek more collaboration
- Integrate with other technologies
- Potential for more business model such as custom 3D printing products based on user-generated text descriptions.

## Convert 2D image to 3D model



## Convert 2D image to 3D model



# Gen3D

## Words 2 Shapes

# THANKS!

---



**GAIA**  
BY NEXTGRID

**NN** new native  
group



**SDAIA**  
الهيئة السعودية للبيانات  
والذكاء الاصطناعي  
Saudi Data & AI Authority



البرنامج الوطني  
لتنمية تقنية المعلومات  
National Technology  
Development Program