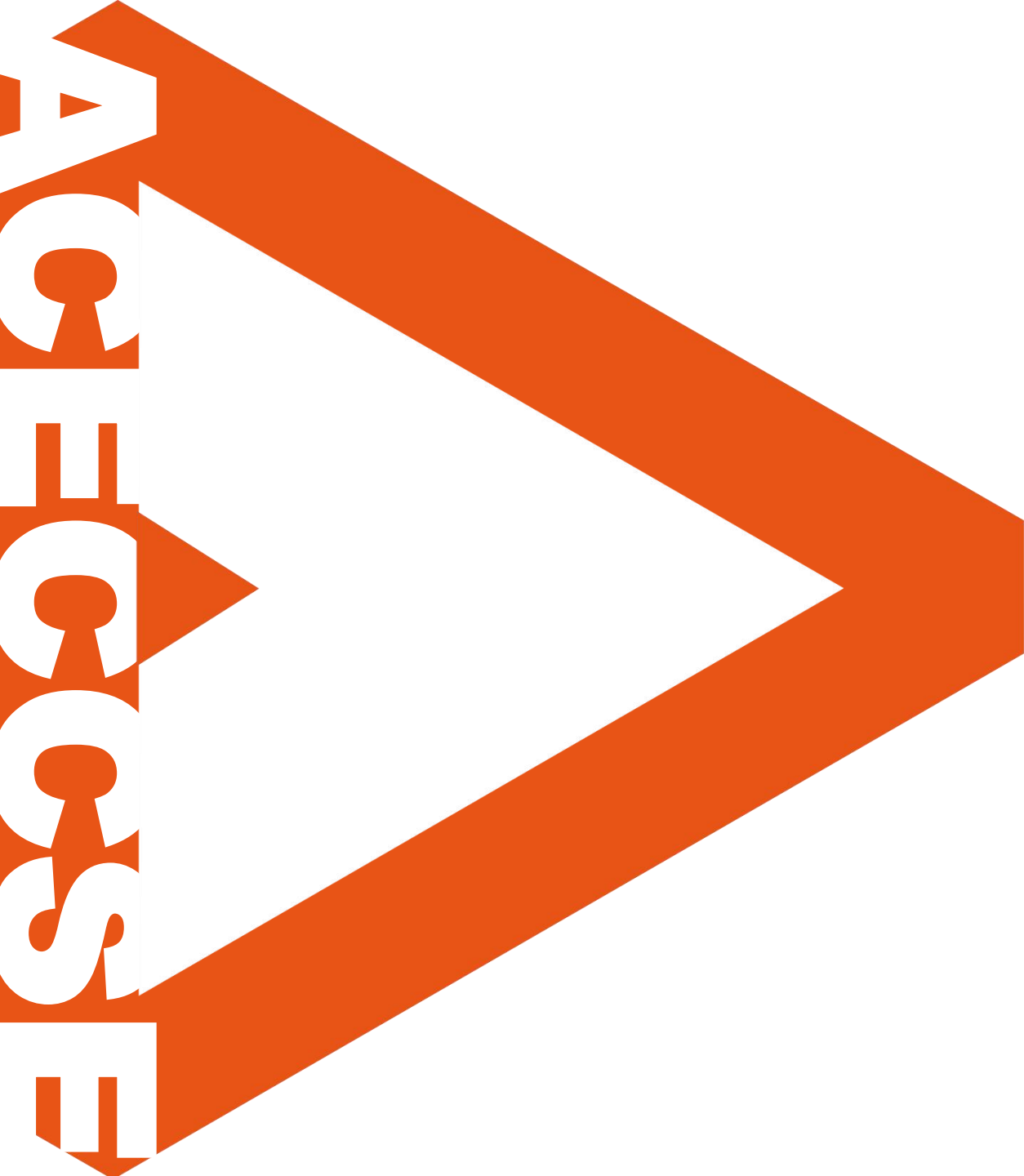


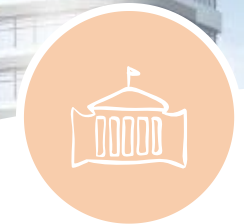
ACECCSE (HANGZHOU) COMPOSITE CO.,LTD.

International Dept.



Company Trajectory

Company Introduction



➤ **National Group
Standard Drafter★**



➤ **First B3 class
production
license in China**



➤ **Provincial Science
And Technology
SMEs**



➤ **National High-Tech
Enterprise**

Reputations

Status



Company Introduction



- ACECCSE was registered and established in 2016

- Obtained ISO11119&EN12245&CE from TÜV RH
- National Group Standard Drafter
- China Type Test Certificate

- B3 Manufacture License of Special Equipment



Patent:

- Plastic inner wrapped gas cylinder
- Manufacturing process

- Cooperated with well-known professional team
- Introduced 1st fully automated production line from Germany

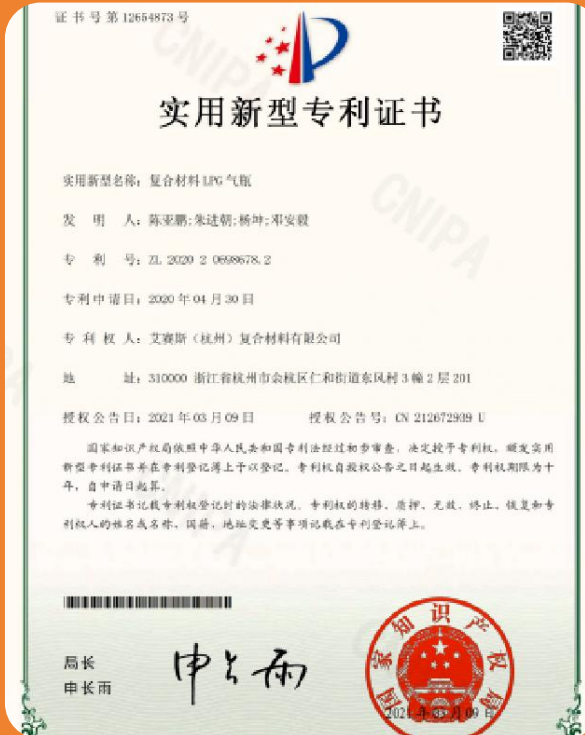
- Passed domestic design authentication and type test
- Got Non-metal Liner Composite Gas Cylinder Production License

- Developing and Soring

Company Introduction



3 Invention Patents



34 Utility Model Patents



2 Appearance Patents

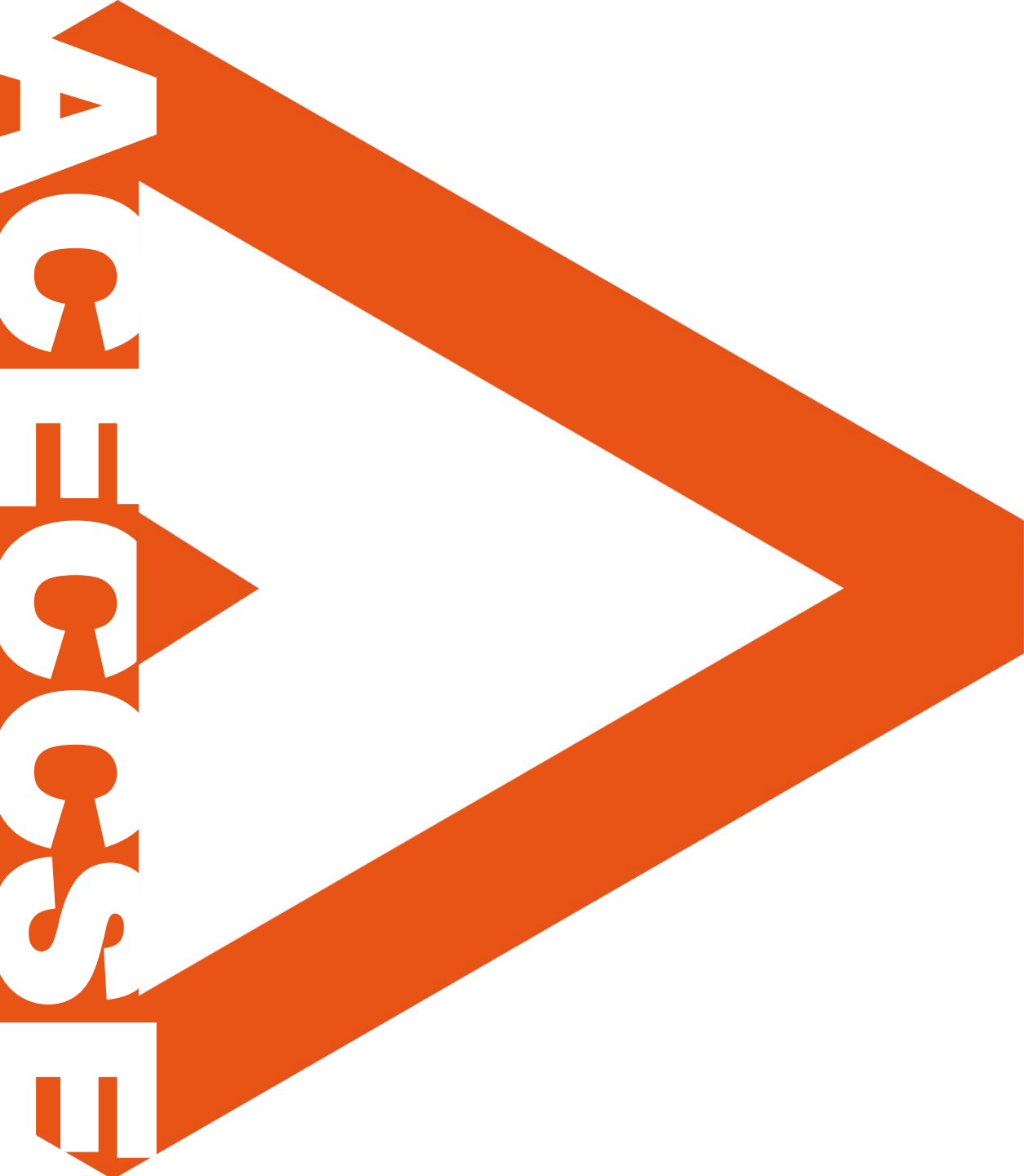
Completely Independent Intellectual Property Rights

Company Introduction



QUALIFICATION





Products line

Products line



Glass Fiber Material:
Special fiber/Good
infiltration/Robust/Smooth
and lint-free.



Epoxy resin:
low temperature curing
with short
time/Durable/Mature
application



HDPE:
Stronger enough to
prevent gas leakage as
liner material, durable
as shell.



Products line



Parameter Category	Parameter Name	LPG4-G-292-13.7	LPG4-G-292-24.5	LPG4-G-292-26.2(292)	LPG4-G-304-26.2(304)	LPG4-G-292-27.4	LPG4-G-304-35.5	LPG4-G-304-47.8
Cylinder Filling Parameters	LPG Filling Weight (KG)	6	10	11	11	12	15	20
	Propane Filling Weight (KG)	5.6	10	10.7	10.7	11.2	14.6	19.6
	Butane Filling Weight (KG)	6.7	12	12.8	12.8	13.4	17.4	23.4
Composite Cylinder Parameters	Empty Cylinder Weight (without valve) (KG)	3.8	5	5.6	5.6	5.4	7.1	8.6
	Height ±3 (mm)	405	575	595	600	620	730	890
	Diameter ±3 (mm)	305	305	305	317	305	320	320

Products line



Explosion test

**Non-Explosive with
violent test**



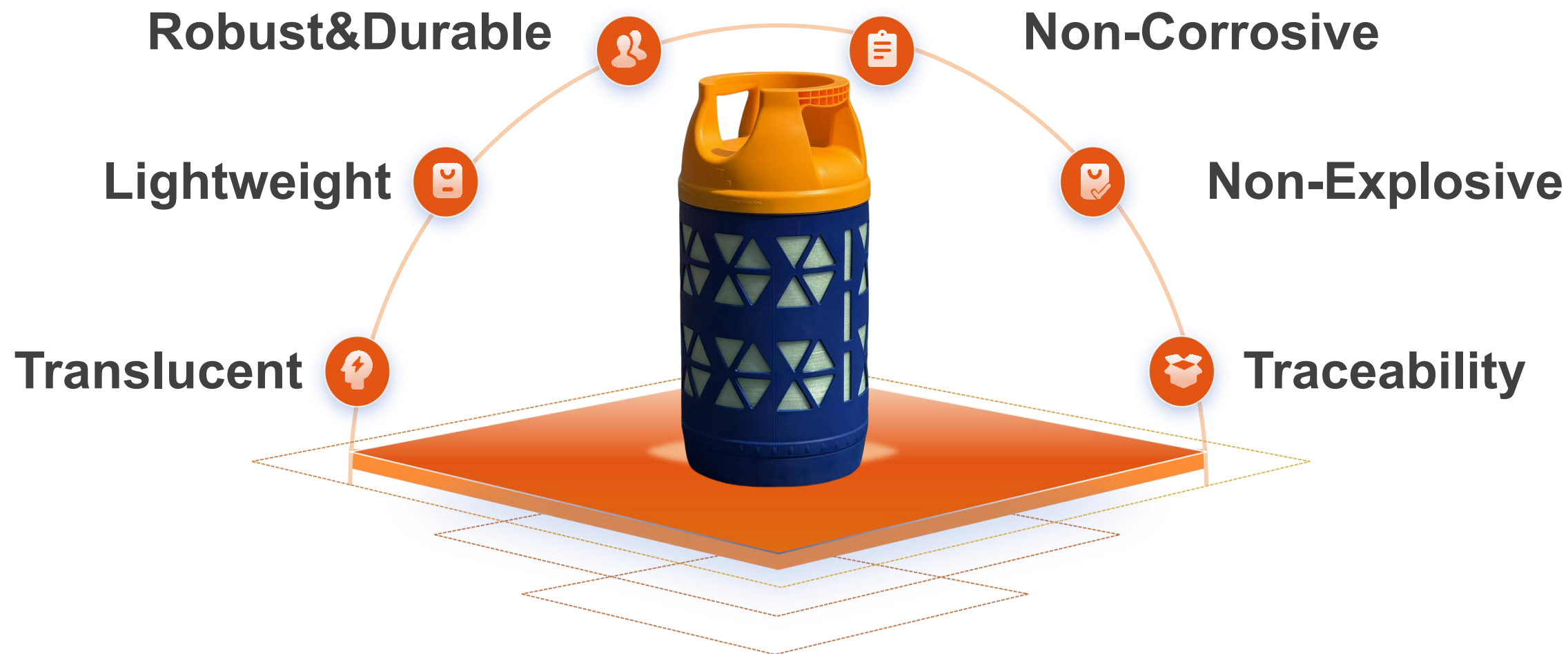
Combustion test

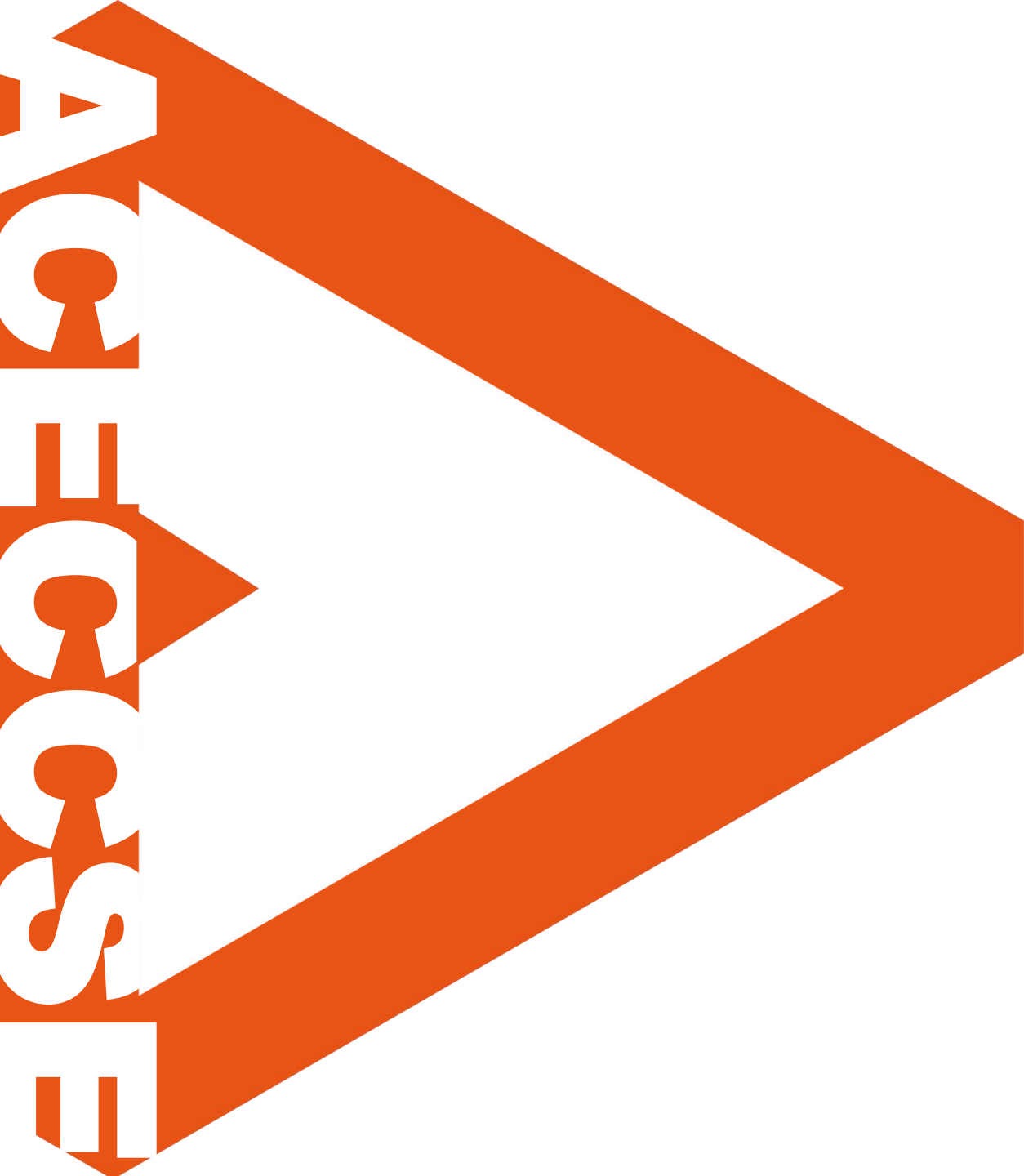
**Non-Explosive in the
flames**



Fatigue test

**12000 times&50000
hours**





Factory & Facilities

Factory & Facilities



- ▶ **Innovation Team**
- ▶ **Overseas senior expert advisory team**
- ▶ **Joint with Domestic Top Universities to do R&D**



Industry 4.0 Smart Factory

- 4 Leading Germany LPG Type-IV cylinder assembly lines. Annual capacity up to 1.5M.
- Intelligent central control system
- Visual Production Management System
- Quality control system

Spinning over the area of 60,000m²



Procurement

Incoming inspection

8 kinds of incoming materials, liner raw material, resin, curing agent, glass fiber, etc. are fully controlled.

Material proof inspection

According to group standards /ISO/EN standards, etc



Check appearance/size/weight/mark/thread, etc.

According to internal inspection reference (Product characteristics)



The physical and chemical the re-inspection

According to group standards /ISO/EN standards, etc



Handle warehousing



Material drawing for production



**Rigorous every working procedure
With strict inspections**

Process check

According to the Production Record Control Requirements and Production Inspection Record Control Requirements

In addition to self-inspection, mutual inspection and patrol inspection, two additional sealing inspection points are added according to the important characteristics of the product.

Injection molding check



Coding check



Blow molding check



Tightness check 1

Liner air-tightness test



Winding check



Tightness check 2

Air-tightness test of semi-finished product



Witness the birth of innovative products

76 Tests

25items

Incoming Quality
Control Inspections

44items

Process Quality
Control Inspections

7 items

Finished Product
Quality Control Inspections

Inspection of the finished product

Complete control of each piece/batch of outgoing finished product(s)

According to the production record control requirements and inspection record control requirements

Hydrostatic test

According to the production record control requirements and inspection record control requirements



Air-tightness Test



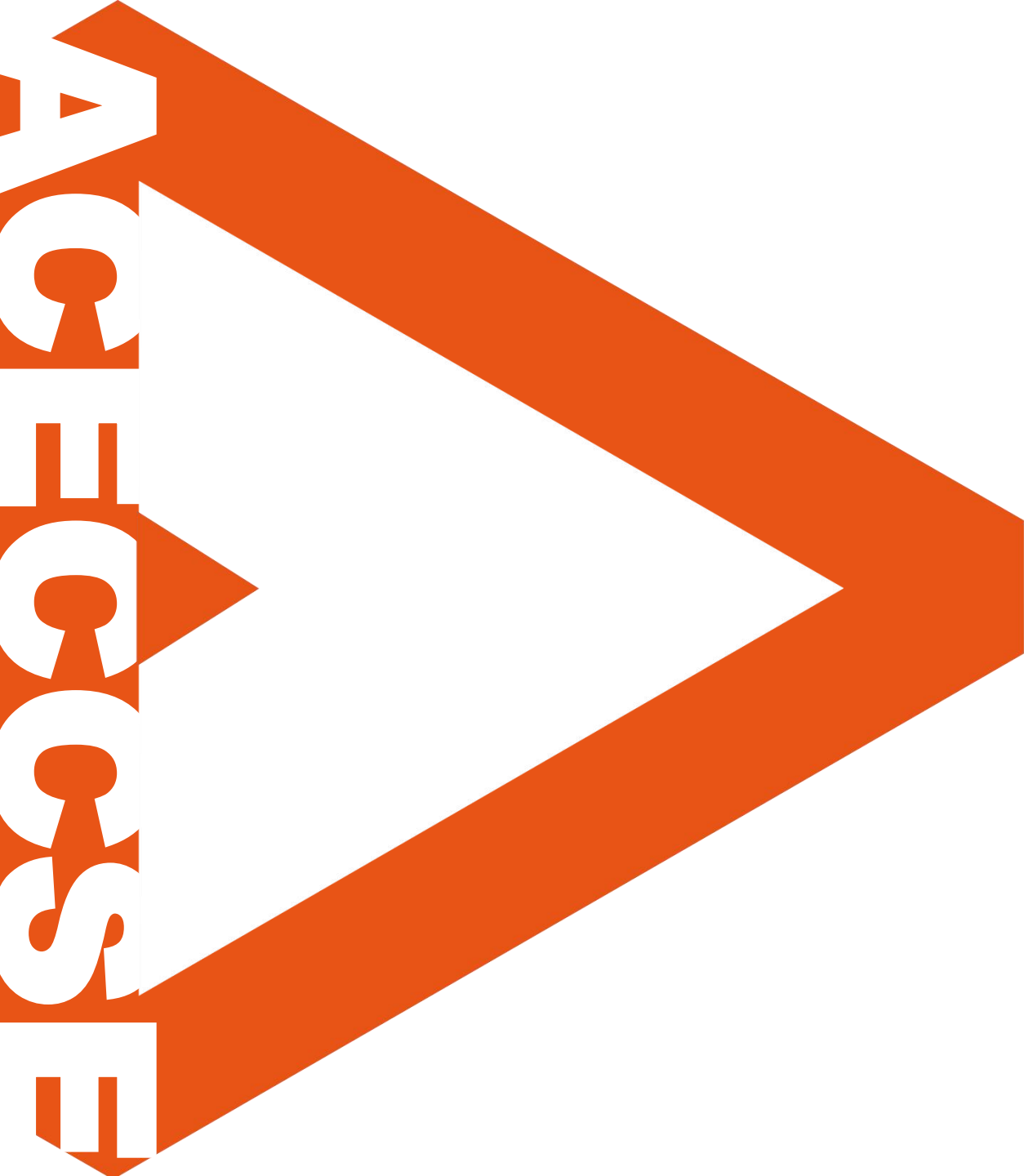
Fatigue/Bursting Test



Packing Inspection

Liner air-tightness test

Finished product delivery



Practical Cases

Practical Cases



Distribution Channels And Partners Around The World



Practical Cases



Partnership

- World well-known companies
- Crowded joint venture and SMEs from 38+ countries

We still have a long way to go in the process of facilitating gas safety for world civls.....



Practical Cases



Mexico



Practical Cases



Tanzania



Practical Cases



Italy



Africa

| Thank you
