



Experts in metal forming

A leader in delivering innovative solutions for the defence industry

PGO
Defence offer



PGO S.A. is the largest manufacturer of castings and forgings in Poland.

We offer a full range of:

- steel castings
- iron castings
- aluminium castings (HPDC)
- steel forgings
- open-die and closed-die forgings
- aluminium forgings, including 7075 T6 alloy
- gravity castings made from aluminium alloys (R&D)

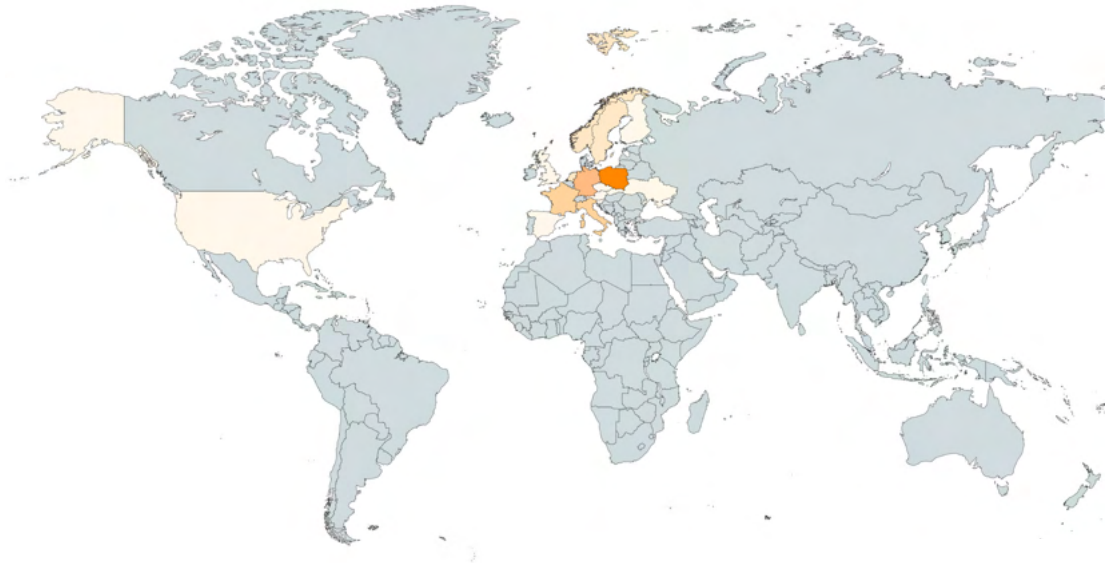
Our in-house pattern shops, tool shops, heat treatment and machining departments, and research laboratories enable us to fulfil orders in a complete process, from a custom design to a ready-to-install product.

We work closely with our customers at every stage to jointly develop and continuously improve the solutions we offer.



Sales

- Poland
- Germany
- France
- The Netherlands
- Sweden
- Italy
- United Kingdom
- Belgium
- Czech Republic
- Slovakia
- Ukraine
- Spain
- Hungary
- USA





Ammunition

PGO offers a wide range of solutions used in the field of ammunition.

We focus on manufacturing steel, iron and aluminium components used in various types of medium- and large-calibre projectiles.

60 mm – in cooperation with our partners, PGO is developing the production of medium-calibre mortar ammunition bodies in response to the current needs of the Polish Armed Forces.

120 mm – together with partners and research institutes, PGO is carrying out a number of programmes aimed at testing and implementing innovative solutions for the production of mortar projectile bodies.

Solutions planned for finalisation include:

- technology combining the steel casting and forging process in order to combine high production efficiency with the best possible material properties

Completed solutions include:

- a 120 mm cast steel mortar ammunition body for RAK-type vehicles
- a 120 mm cast iron mortar ammunition body
- a forged 120 mm mortar ammunition body for RAK-type vehicles



Ammunition

155 mm – the first Polish research and development programme in the field of ammunition, carried out in cooperation with the **Military Institute of Armament Technology** (WITU). Its objective is to develop, implement and manufacture key components used in the design of a 155 mm projectile.

A large-calibre ammunition body compliant with **NATO standards** and made entirely in Poland is intended primarily to eliminate dependence on licensed production and ensure autonomy in this area, free from restrictions imposed by the licensor.

“Dynamic changes in the geopolitical situation clearly confirm that developing domestic production of large-calibre ammunition is both justified and essential. 2022 proved to be a turning point. It exposed shortages even in Allied stockpiles and reminded us that security requires real, concrete action. Today, at an accelerated pace, we are making up for these deficits by building production capabilities that will respond to future challenges.”

~**Andrzej Bulanowski**, Vice-President of the Management Board of PGO S.A.

Following the successful presentation of the body demonstrator during the last International Defence Industry Exhibition in Kielce, PGO S.A. and the Military Institute of Armament Technology (WITU) have entered a key phase of Project “155”, moving towards full validation of the projectile design and preparation of infrastructure for future series production.

Field tests aimed at verifying projectile fragmentation have now been completed, and the first firings from a ballistic gun took place at the beginning of August. Full validation of the bodies with artillery systems used in Poland, i.e. the AHS Krab and K9, is planned by the end of the year. Readiness for series production is expected to be achieved in the first half of 2027.



Learn more



NCAGE & AQAP



Kod NATO Commercial And Government Entity: **9CHDH**

PGO S.A. is registered under an NCAGE code — an international identifier for suppliers to NATO and allied countries. This registration confirms the credibility of our company and facilitates cooperation with government institutions and within the supply chain.

PGO is integrated with the **AQAP** system (NATO Allied Quality Assurance Publications), which ensures compliance with NATO quality requirements for the defence-sector supply chain.

Equipment

Kuźnia Glinik (a PGO plant), a leading Polish forging specialist based in Gorlice, has launched production on a new **press for manufacturing medium- and large-calibre ammunition**.

This investment increases our capabilities in the production of key components for the defence sector while maintaining narrow dimensional tolerances, full product traceability and short lead times.

By combining decades of experience in heavy industry with our in-house tooling facilities and comprehensive quality control at every stage of the process, we provide reliable and scalable deliveries for the most demanding programmes and international partners.



Land Systems

Components:

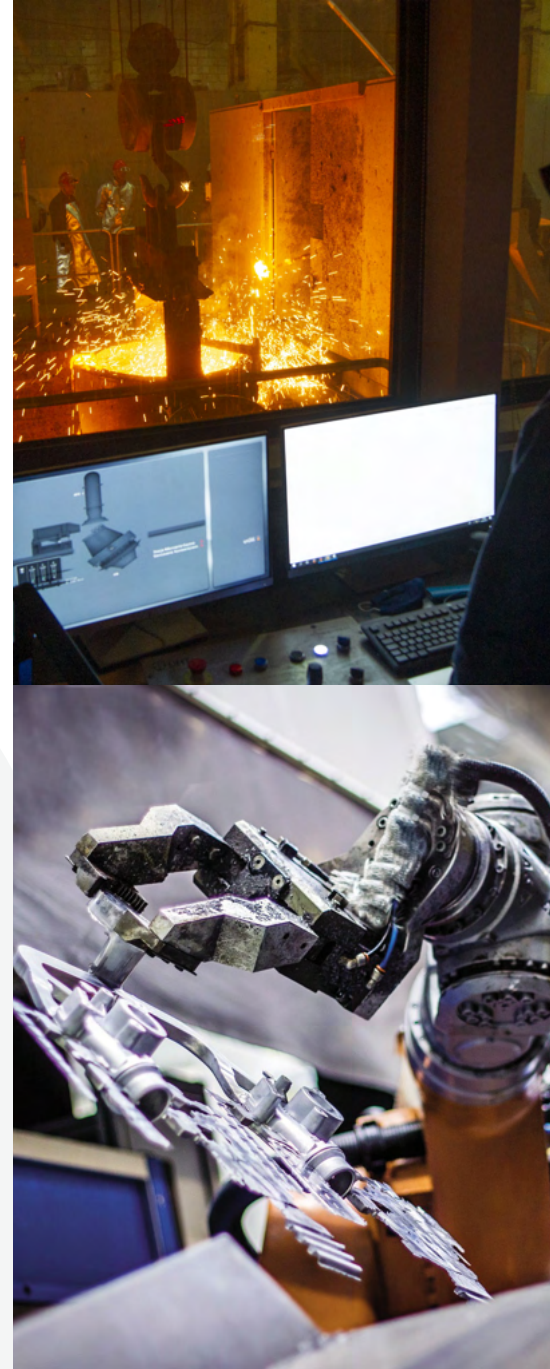
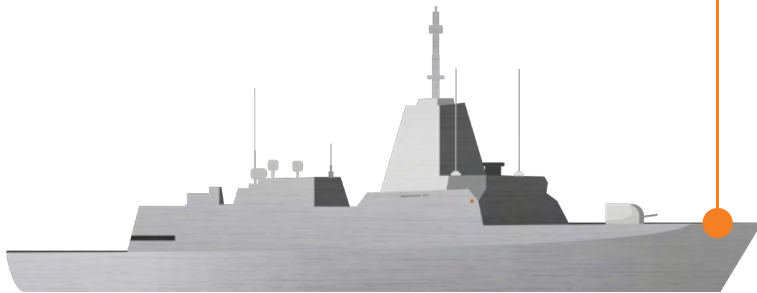
- chassis, body/hull and suspension components for tanks and armoured vehicles — steel castings
- specialised armoured vehicles — tracked running gear systems — forgings
 - MT-LB — a complete product including welding, machining and heat treatment; a solution proven in combat conditions
 - BMP type
 - T-80 type
- specialised armoured vehicles — tracked running gear systems — steel castings:
 - MT-LB
 - T-72 type
- Idler wheels and road wheels for various types of vehicles
- mobile bridge components (housings and bearing components)
- R&D programme for armour steel castings and Ni-Hard type materials



Naval Systems

Components:

- hydraulic drives
- steering gear systems
- gearbox housings
- anchor system components
- mooring components
- hull armour (forepeak) — SQ2020 hull type
- components for the multi-role Pohjanmaa-class corvette





Llanelec Precision Engineering specialises in the manufacture of key running gear components for military land vehicles.



Specialist road wheels, as seen on Challenger 2



Sprockets, sprocket carriers and sprocket assemblies.



Idler arms, axle arms, drive shafts and much more.

Why Llanellec?

Llanellec — 35 years of trust from the UK Ministry of Defence.

Precision CNC machining and full quality control for running gear and armour components — solutions that cannot fail in combat conditions.

35+ YEARS of experience as a trusted supplier to the UK MoD

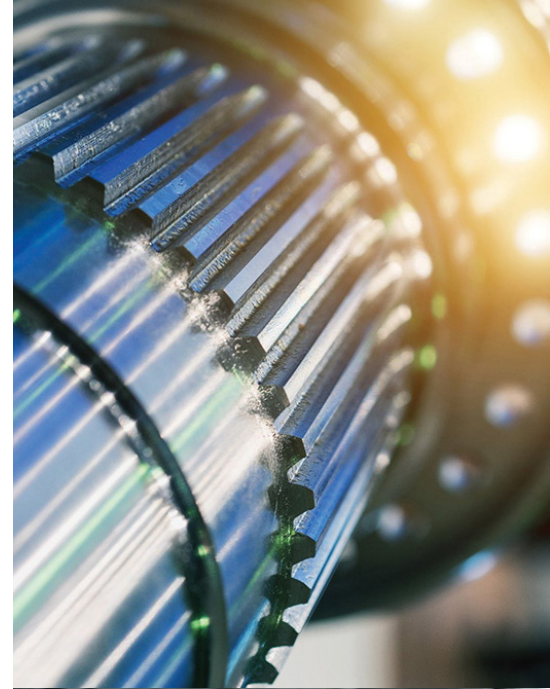
50+ CNC machines — 3- and 4-axis machining in a 100,000 sq ft production facility

AS/EN 9100, ISO 9001 and Cyber Essentials Plus — certified quality

Precision that keeps your supply chain moving
- on land and in the air.



www.llanellec.co.uk





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