

BRZ SERVICES

Aircraft Ground Access Solutions

PRODUCT CATALOG · EDITION 2026

Aircraft Ground Access Solutions.

Engineered access pits, vacuum systems and ventilation hatches for the most demanding aviation environments.

ABOUT BRZ SERVICES

Engineering trust, from the ground up.

BRZ Services has been designing and manufacturing aircraft ground access solutions since 2013. Founded by Mr Gerard RUAU, a passionate engineer, the company holds two industrial patents and produces a complete range of robust, easy-to-use and scalable products dedicated to the aviation industry.

Each product is the result of years of testing, refinement and field experience. Our mission: to maintain the founder's commitment to precision, reliability and craftsmanship. Every BRZ unit is engineered to operate in the most demanding airport and MRO environments.

2013

FOUNDED

02

PATENTS

10+

YEARS

100%

MADE IN FRANCE

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ENGINEERING DATASHEET

Built to airport-grade standards.

All BRZ ground-access pits share the same engineered foundation: hot-dip galvanised S235 steel, certified gas-strut mechanisms, patented safety systems and full compliance with NF EN 124-1. A consistent design philosophy across the entire product range — Energy, Ventilation, Vacuum, Skydrol and Emergency.

PRODUCT SPECIFICATIONS

MATERIAL

Hot-dip galvanised S235 steel

MAXIMUM WEIGHT

350 kg (utilities included)

GAS STRUTS

Rated 30,000 cycles

OPENING FORCE

19 daN max

CLOSING FORCE

25 daN max

USE

Indoor and outdoor

STANDARDS & CERTIFICATIONS

EN 124-1

Load class 60T or 90T (per option)

PATENT

FR 13 55663

REFERENCE

Airbus-referenced supplier

SOURCING

French-certified raw materials

ASSEMBLY

In-house, by BRZ Services

SERVICE

On-site install & maintenance

OPERATING PRINCIPLES

- Single-handle action opens the pit
- Direct access to integrated utilities
- Cable routing trapdoor for clean pass-through
- Open-position safety: hard stop at 80° secures the technician
- Patented anti-clogging interlock before final closing
- Locking system seals the pit when closed

AVAILABLE MODELS

Energy (Electricity · Air · Water) · Ventilation · Vacuum · Skydrol · Emergency Hatch (galleries)

BRZ-001



ELECTRICAL ACCESS

400Hz Ground Power Pit

Encastrable access pit dedicated to aircraft electrical systems. The 400Hz Ground Power Pit secures the connection between airport infrastructure and parked aircraft, while remaining flush with the apron.

KEY FEATURES

- Heavy-duty design
- Resistance to harsh environments
- Long lifespan
- Secure access system

APPLICATIONS

Airports · MRO Facilities · Aircraft Apron · Infrastructure

TECHNICAL SPECIFICATIONS

TYPE

Flush-mounted ground pit

SERVICE

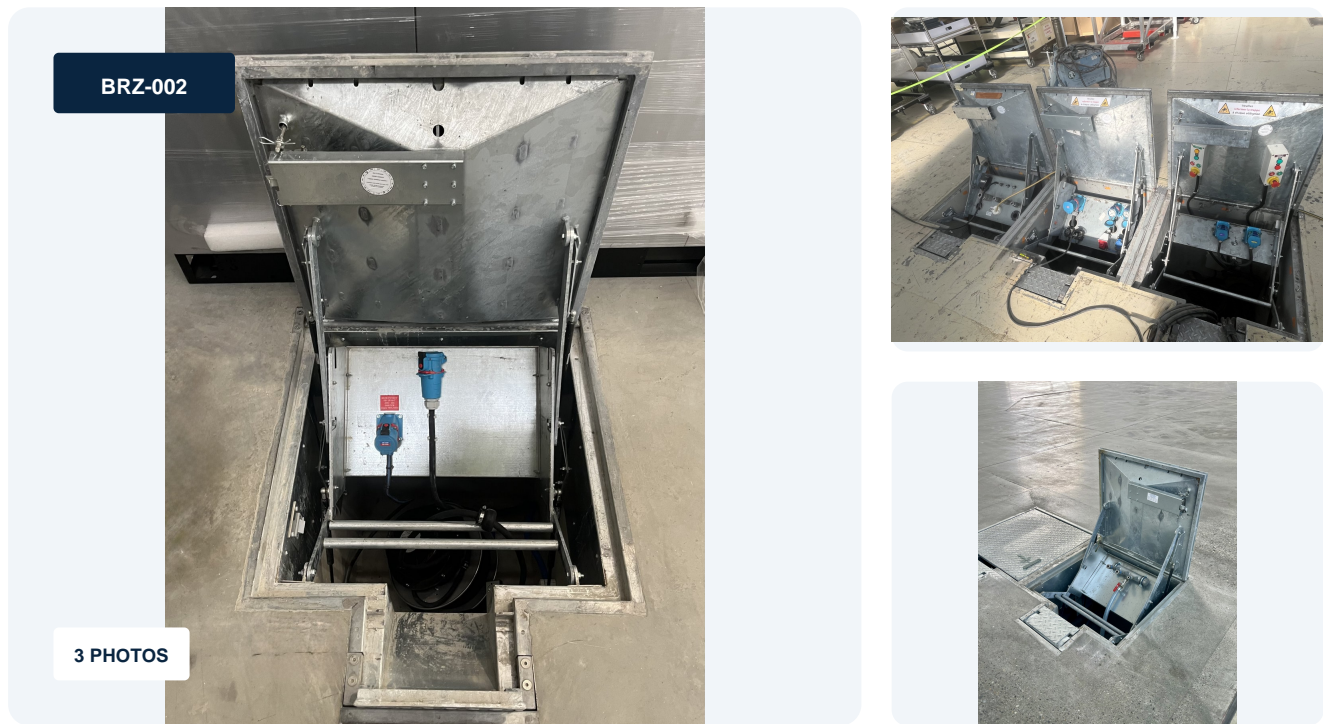
400 Hz aircraft power

BODY

Reinforced steel structure

FINISH

Anti-corrosion treatment



MULTI-UTILITY

Electrical / Water / PCA Air Access Pit

Multi-utility access pit providing centralised access to airport electrical networks, water supply and Pre-Conditioned Air (PCA). Available in single, double or triple configurations to suit each layout.

KEY FEATURES

- Heavy-duty design
- Resistance to harsh environments
- Long lifespan
- Secure access system

APPLICATIONS

Airports · MRO Facilities · Aircraft Apron · Infrastructure

TECHNICAL SPECIFICATIONS

MODELS

Single, Double, Triple

SERVICES

Electrical / Water / PCA Air

MOUNTING

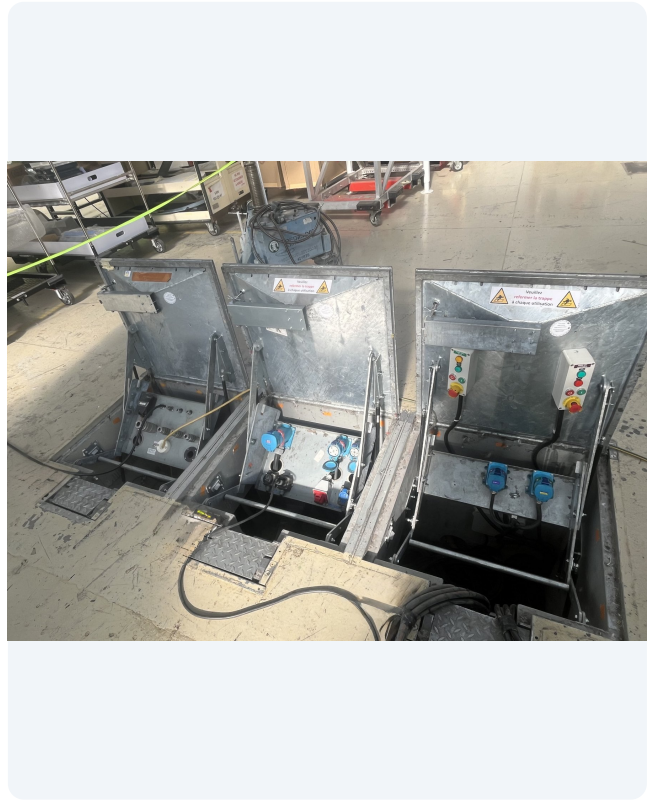
Flush ground installation

COMPLIANCE

Airport-grade construction

PRODUCT GALLERY

Electrical / Water / PCA Air Access Pit





VACUUM SYSTEM

Vacuum Pit

Underground vacuum system integration designed for safe and reliable extraction operations. Engineered to deliver consistent performance under intense duty cycles.

KEY FEATURES

- Heavy-duty design
- Resistance to harsh environments
- Long lifespan
- Secure access system

APPLICATIONS

Airports · MRO Facilities · Aircraft Apron · Infrastructure

TECHNICAL SPECIFICATIONS

DIMENSIONS

L 800 x W 800 x H 1600 mm

TYPE

Vacuum integration pit

BODY

Sealed reinforced enclosure

MAINTENANCE

Service-friendly access

BRZ-004



AERODYNAMIC FLOW

Ventilation Hatch

Ventilation hatch giving operators reliable access to underground ventilation systems. The unit is designed for fast intervention and tight integration into the apron surface.

KEY FEATURES

- Heavy-duty design
- Resistance to harsh environments
- Long lifespan
- Secure access system

APPLICATIONS

Airports · MRO Facilities · Aircraft Apron · Infrastructure

TECHNICAL SPECIFICATIONS

DIMENSIONS

L 800 x W 800 x H 1600 mm

TYPE

Ventilation access hatch

FRAME

Reinforced ground frame

USE

Maintenance & airflow control

BRZ-005



2 PHOTOS

**CHEMICAL RESISTANT**

Skydrol Resistant Pit

Chemical-resistant access pit dedicated to aircraft maintenance operations. Specifically engineered to resist Skydrol and other aviation hydraulic fluids over long service life.

KEY FEATURES

- Heavy-duty design
- Resistance to harsh environments
- Long lifespan
- Secure access system
- Skydrol-compatible materials

APPLICATIONS

Airports · MRO Facilities · Aircraft Apron · Infrastructure

TECHNICAL SPECIFICATIONS

DIMENSIONS

L 800 x W 1200 x H 1600 mm

RESISTANCE

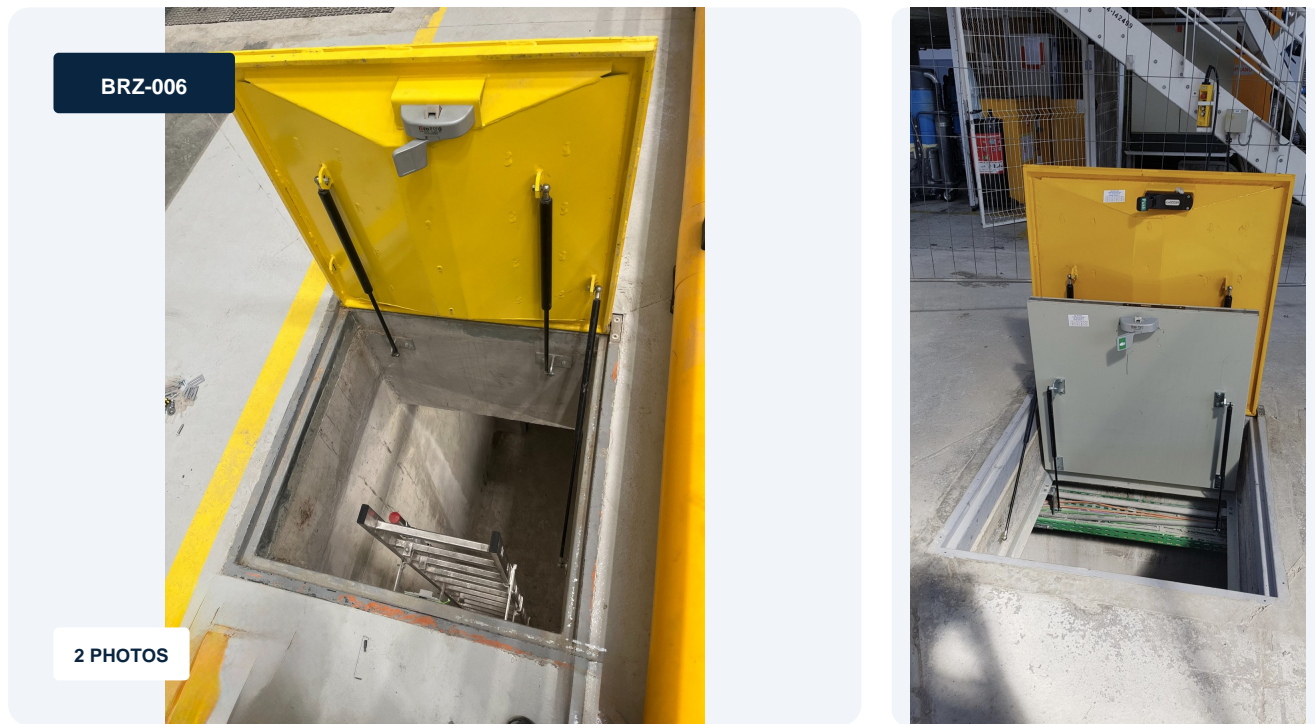
Skydrol & aviation fluids

USE

MRO / heavy maintenance

BODY

Sealed chemical-grade enclosure

**SAFETY · FIRE RATED**

Emergency Access Hatch — Fire Rated

Secure access solution for critical infrastructure. The BRZ Emergency Access Hatch provides safe and durable access to underground networks in demanding environments, with an optional 2-hour fire resistance rating for full operational compliance.

KEY FEATURES

- Fire resistance up to EI120 (2 hours)
- Load resistance up to 900 kN
- Designed for emergency access
- Resistant to harsh industrial environments
- Assisted opening system (gas struts)

APPLICATIONS

Airports · MRO Facilities · Underground technical networks
· Emergency access zones

TECHNICAL SPECIFICATIONS

FIRE RATING

EI120 (2 hours)

LOAD RESISTANCE

Up to 900 kN

MATERIAL

Steel · Fire-rated

OPENING

Gas struts assisted

INSTALLATION

Flush-mounted

GET IN TOUCH

Let's discuss your project.

Our team is at your disposal to study your needs and propose the right solution for your aviation infrastructure.

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LOCATION

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FOUNDED

2013 - 2 industrial patents