

FORCE ONE

PART OF THE **READYPOWER GROUP**

MARKET LEADING SUCTION EXCAVATION SOLUTIONS



SAFETY //

PEOPLE //

EQUIPMENT //

RESULTS //

About Us

Opening its doors in 2004, Force One began working in the utilities sector. Since then, the company consistently grew to become recognised as one of the leading providers of suction excavation in the construction industry. Our fleet boasts over 40 vehicles, including specialised equipment like the UK's only 8X8 AWD and the ESE8 dual high tipping machine. Our standard vehicles feature both left and right-hand tip capabilities, while our larger quad fan systems can excavate at extended distances. This industry-leading and adaptable safe excavation service has been developed over 15 years.

In early 2023, Force One were acquired by the Readypower Group. With a growth strategy set to increase our fleet by including more assets and access to depots across the country, Force One is now uniquely positioned to handle all project types nationwide.



2004

Force One Utilities incorporated

2008

Purchase first suction excavator

2012

Purchase of first triple fan suction excavator

2014

A UK first, using a Brokk in distance suction excavation



Our Ethos

The safety of our teams and our responsibility to our customers are our top priorities. That's why we have been advocating for best practices and promoting a similar mindset among our peers.

We value providing our customers with a dedicated point of contact to address their needs effectively. Our commitment includes ensuring that customers can rely on a skilled and well-prepared on-site team, utilising properly maintained equipment to execute tasks efficiently. Additionally, we emphasize the importance of field operatives who are collaborative and approachable, ready to assist in resolving on-site challenges promptly.



2017

UK first quad fan suction excavator

CPCS test centre opens

Patrick Burke of Force One chairs the CPA

2018

UK first full rail system released

POS license approval

2023

UK first ESE8 dual high tip machines released

Declan Burke of Force One retains CPA chair

2023

Force One acquired by Ready Power Group

Introduction of "The Force One Standard" an industry leading safety document

2024

Force One opens its first 3 national depots

*20 year anniversary
ISO 9001, 14001 & 45001 accreditation*

FLEET INFORMATION

Standard suction excavator

Our standard suction excavators form the majority of our fleet, equipped with cutting-edge technology to handle various tasks efficiently. Our skilled operatives utilise onboard air and, in some scenarios, water to address different ground compositions. Depending on your site needs, we provide both right and left-hand tipping options, with the left option predominantly used in highway environments.

Our fleet also includes other onboard systems for added functionality:

- 360° camera systems
- Hydrostatic drive
- Dust suppression
- Virtual barrier system
- Height, depth and slew limitation

Specification Data

Height: **4000mm**

Width: **2550mm**

Length: **9060mm**

Weight: **21585kg**

Fan Configuration:
RSP Twin Fan 380 KW

Capacity: **8m³**





Considerations

- Type of material being excavated
- Location of required excavation
- Suitable onsite tipping location
- Refuelling provision
- Excavation depth and dimension
- Left or right tip configuration



ESE8

An evolution in suction excavation technology

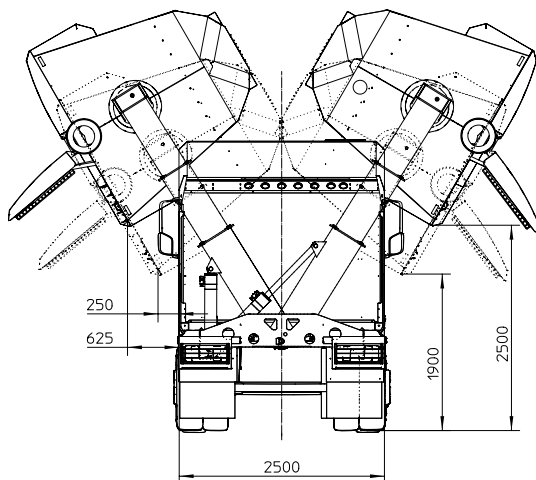
The ESE8 marks a significant advancement in our industry. Force One were one of the first to incorporate this innovation into our fleet, quickly followed by a second addition. The ESE8 can tip on either side and directly into a muck away or grab lorry using its high tip function. With a centrally mounted arm for increased reach on both sides, it offers maximum functionality and flexibility. The ESE8 has been well-received in its use on highways and urban regeneration projects.

ESE8 features include:

- Dual/high tip
- Remote drive
- High speed twin
- Height, depth and slew limitation
- 360° cameras
- Self-levelling and stabilising

ESE8 DATA

Height:	4000mm
Width:	2550mm
Length:	9060mm
Weight:	21585kg
Fan Configuration:	RSP Twin Fan 380 KW
Capacity:	8m³



Social Value

Did you know that two of our vehicles are named by one of our local schools.

Look out for Eddie & Ellie



8 x 8 All-wheel drive suction excavator

Originally used on the A14 Expansion in Cambridge, the 8X8 AWD used for off road excavation.

The military-grade chassis, providing enhanced ground clearance and AWD functionality, allows the 8X8 to navigate through various terrains. Additionally, high-pressure water systems can be utilised onboard to address more challenging ground conditions.

- 8 x 8 AWD
- Onboard high pressure water system
- DV2 high specification fans
- 360° camera systems

8X8 DATA

Height:	4400mm
Width:	2550mm
Length:	10278mm
Weight:	27980kg
Fan Configuration:	RSP Twin 395 KW
Capacity:	8m ³





The Lighthouse construction industry truck

An employee led initiative saw the Force One team choose to partner with the Lighthouse Construction Industry Charity for a second partnership truck. We understand the importance of supporting wellbeing and partnering with the Lighthouse Charity ensures that more awareness is brought to all aspects of the emotional, physical and financial wellbeing support offered.

The Trees for life truck

Here at Force One, we acknowledge we are not always perfect when it comes to our environmental impact, due to the nature of our business. However, we believe our partnership with Trees for Life is a small yet important step, that we can take towards making a positive commitment to the environment in which we all live and operate. The work that Trees for Life carry out includes supporting the wildlife that calls the vast Scottish Highlands home, restoring ecological diversity and enriching the habitat through rewilding. Whilst there is an ample amount of additional changes to be made and improvements to carry out in order to reduce our environmental impact as a company, we feel contributing to the rewilding of the Caledonian Forest is a great place to start. For every hire, one tree is donated to our company grove.



Scan here to see how many trees we've donated!





Quad Fan

Force One are the only Suction Excavation company to run High Power Quad Fan machines in their fleet. These vehicles are specialised assets designed specifically for the task of a long-distance pull. Most Quad Fans will be indiscernible from a standard excavator to the eye but the performance and ability is unmistakable.

QUAD FAN DATA

Height:	4000mm
Width	2500mm
Weight:	27980kg
Fan Configuration:	RSP Quad 485KW
Capacity:	10m³



RN DIESEL DATA

Height:	3000mm
Width (travelling):	1600mm
Width (stabilised):	2448mm
Weight:	6500kg

RN ELECTRIC DATA

Height:	1458mm
Width (travelling):	1080mm
Width (stabilised):	2015mm
Weight:	1600kg



Considerations

- Increased fuel usage
- Location and dimensions of excavation
- Delivery location for the RN Unit.
- Ground Loading data



Distance Working

Force One were the first company to address remote excavation issues. In 2014, we introduced the solution – the BROKK-based RN units. Recognising its potential, our in-house innovation team directed this approach, which has since been adopted to varying extents across the industry and is now offered by the manufacturer.

Our fleet of RN Units, combined with our robust Quad Fan suction excavators, enables the placement of a power arm at the excavation site up to 120 meters away (depending on the material). This offers a highly adaptable safe dig option when needed.



IVAC

The IVAC represents the smallest offering from Force One. A 3 Tonne, self-propelled tracked excavator with a maximum excavation depth not exceeding 1.2 meters. Onboard capacity sits at 0.6m³.

High pressure air

High pressure compressor units are used as a response to clay or exceptionally hard and compacted ground.

High pressure water

Our Commando 1000 Series jetting unit can be employed to help to tackle more challenging ground conditions such as heavy clay.

Our People, the heart of Force One

At Force One, every team member is vital to our company's vision. Their dedication, skills, and professionalism uphold our core values. Whether working in the office or out in the field, each individual has a significant role to play. Prioritising staff well-being, including mental health, is central to the Force One ethos. As part of our commitment, we are members of the Supply Chain Sustainability School, advocate for FIR and mental well-being in the workplace, and support the "People Matter" charter. Our goal is to ensure that every employee of Force One, whether based in the office or in the field, feels included and valued for their contributions to the company.

- FIR Ambassadors
- Mental Health First Aiders
- Company Policies





Training

- CPCS A78
- CSCS
- Highways Passport
- SHEA Gas
- EUSR Water
- PTS
- Street works
- HGV Class 1
- Banksman
- Working at height
- FORS
- Manual Handling
- Asbestos awareness
- BESC
- Person

CPA

The Construction Plant-hire Association (CPA) is the leading trade association for this sector in the UK and **CPA Members supply over 85%** of hired plant to the construction industry. CPA terms are our standard terms for deployment to site. Force One are heavily involved in the CPA Suction and Vacuum Excavation (SAVE) working group and continue to adhere to the good practice guide at all times.

Force One standard

In response to the prevalent poor practices in the vac ex industry, Force One has developed a best practice guide. This document aims to educate customers on what to anticipate from a suction excavation provider. It is being distributed across the industry to enhance safety standards for all involved.

Operative Safety

As part of our safety culture, we adhere to using a two-person team when operating our Suction Excavators. This practice eliminates lone working and the associated risks. Working with a team of two promotes shared responsibilities, reduces worker fatigue, enhances productivity, and ensures compliance with all A78 suction extraction safety regulations.



Rail Maintenance, Refurbishment & Renewals

Force One operate the UK's most diverse fleet of on and off-track suction excavation equipment. We have taken our 15+ years of suction excavation experience and now offer a full rail division.

With our full POS licence, we can offer tailored solutions for:

- Level crossing re-ballasting
- S&C re-ballasting
- General ballast and wet bed work
- Drainage projects
- URX & UTX projects
- General material extraction
- Platform excavations
- Trail holes and safe excavation around buried utilities



Equipment offerings:

- Suction excavator + extension pipes – can excavate up to 120m away from the main unit
- Force One suction cubes – compact suction cubes attached to one of our RRVs
- Brokk units – coupled with our suction excavators
- Full Rail Suction Excavation System





Rail Suction Excavation System (RSES)

The UK's only suction excavator of its type. Its unique design allows constant excavating whilst discharging to engineering trains or adjacent RRVs and ballast boxes. No down time or double handling spoil.

- Super high power 4-fan suction system
- One of kind conveyor / discharge module
- Fully modular in its set up – single line working.
- Comes with fully operational crew and on/off-tracking equipment.
- On track and ready to work in 30-45 minutes.

As now part of the Readypower Group, and with assistance from our sister companies, Readypower Complete Drainage, Readypower Rail Services & Readypower Terrawise, we have the ability to offer an all-in-one drainage, civils engineering and plant package.





FORCE ONE

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