



Galawhistle Wind Farm Extension

Exhibition Brochure

August 2026

nadara

Welcome

Galawhistle Wind Farm is located approximately 7km east of Muirkirk in East Ayrshire and 5km west of Douglas in South Lanarkshire.

The wind farm has been operational since 2017 and we are exploring the potential to extend it by a further five turbines. The project could deliver an additional 36MW of renewable electricity – capable of:

- Powering more than 29,704 UK homes
- Strengthening the UK's energy security
- Contributing to our green power future

5 turbines,
maximum tip
height 200m

Up to 36MW
installed capacity

Up to £180,000
per annum
community benefit

Potential
to explore
community
ownership

We are
proposing

About us

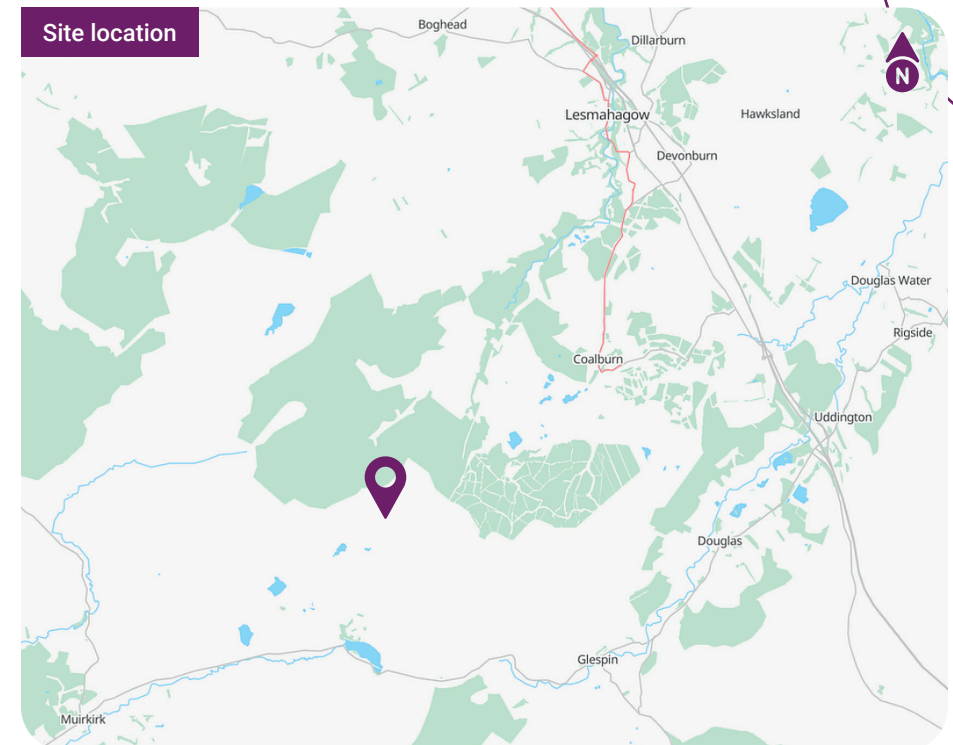
Nadara is a leading independent power producer and a major renewable energy generator operating across Europe and the US, with a significant presence in the UK.

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We own and operate over 200 energy sites globally, with 45 onshore wind plants across the UK with over 1,000MW installed capacity, using diverse technologies including onshore and offshore wind, solar, biomass, and energy storage.

In Scotland, we have a strong operational footprint and are proud of the contribution we make to Scotland's climate ambitions. Our dedicated Scottish team works closely with communities to ensure our projects reflect local views and support long-term sustainability. This builds on Nadara's established track record in Scotland, including Nutberry, Auchrobert and West Browncastle Wind Farms.

Site location



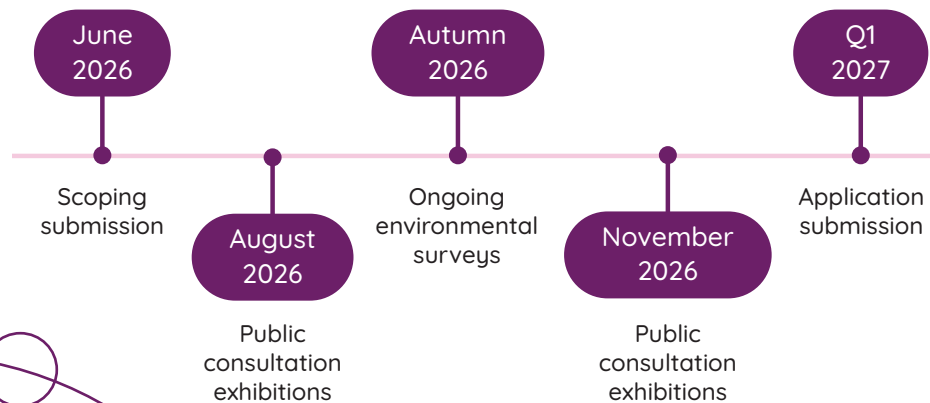
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Consultation timeline

We would like to start a conversation with the local community and key stakeholders about how we make sure our plans:

- Consider community feedback
- Support local initiatives
- Deliver a range of benefits locally

We are also embarking upon a series of environmental surveys. The findings from our studies, alongside feedback, will help to inform our proposals – which will be subject to further consultation prior to an application submission.



We welcome your feedback and opinions. Please complete a feedback form or contact the team to discuss the plans further. There are many ways for you to get in touch with us:

Web nadara.com/projects/galawhistlewindfarm
Email galawhistle@nadara.com
Phone **0131 2431 380**

Galawhistle Wind Farm Extension
Nadara, 4th Floor, 12 Blenheim Place, Edinburgh, EH7 5JH



Design process

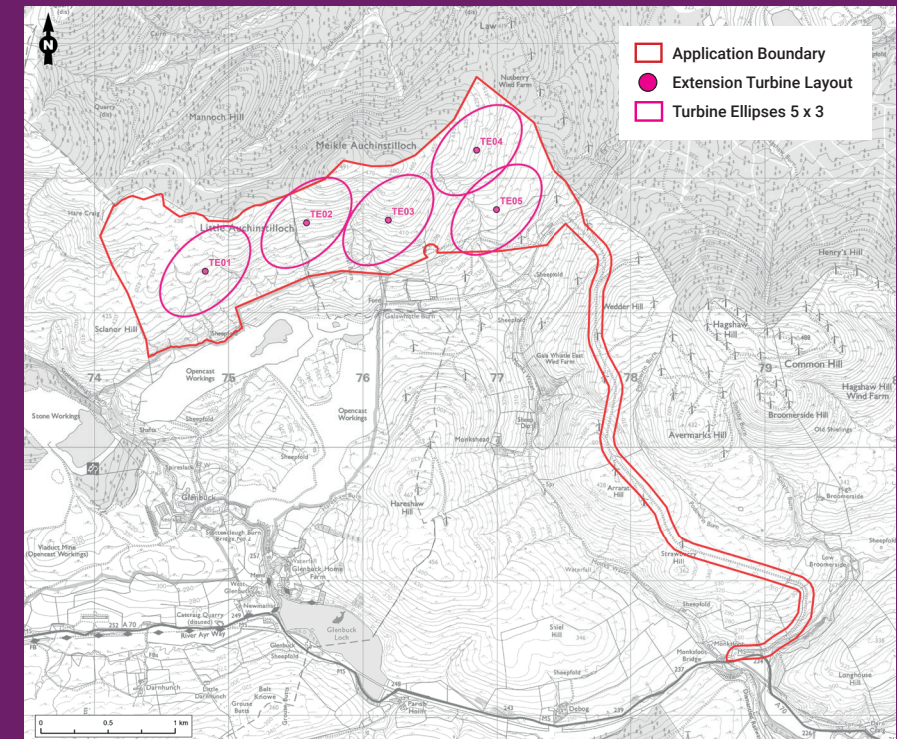
Many factors will determine the final layout of the Galawhistle Wind Farm Extension, including community feedback received during the consultation. Other factors will include:

- Visual impact
- Impact on sensitive habitats
- Proximity to areas of ecological interest
- Engineering constraints

Some of these will not be fully identified until the technical assessments are complete, which means that the layout currently presented is likely to change.

We will ensure that the local community and key stakeholders are consulted throughout the development of our proposal and on the final layout.

Current proposals



Development process

We have submitted a scoping report to the Scottish Government Energy Consents Unit (ECU). This seeks feedback from a variety of consultees, including:

- South Lanarkshire Council
- East Ayrshire Council
- NatureScot
- RSPB
- Scottish Environment Protection Agency (SEPA)
- Historic Environment Scotland (HES)
- Community Councils

This feedback will determine the scope of the Environmental Impact Assessment (EIA) and inform the extent of our surveys and assessments. It will ultimately influence the layout of the site to ensure that it minimises effects on the local environment.

View the Scoping Report here



We will evaluate any potential significant effects of the proposed development, and these will be presented within the EIA Report (EIAR).

The EIAR will accompany the application for consent to the Scottish Government and cover topics including, amongst others:



Landscape and Visual Amenity



Noise and Vibration



Cultural Heritage



Traffic and Transport



Ecology



Aviation



Ornithology



Tourism



Hydrology, Hydrogeology, Geology and Peat

Environmental Impact Assessment

We have appointed consultants Ramboll to carry out a detailed Environmental Impact Assessment (EIA) of the proposed Galawhistle Wind Farm Extension, the outcomes of which will be presented in the associated EIAR accompanying the application.

The EIA will:

- Identify and assess the potential significant environmental effects of the proposal
- Help to shape the design and layout of the proposed development

Climate

The project is underpinned by the climate emergency and the drive to offset carbon emissions.

Construction of the Proposed Development will generate limited greenhouse gas (GHG) emissions, and the turbines will incorporate embodied carbon.

Carbon contributions will be measured against the energy offset created by the Proposed Development, leading to a net positive impact on climate change.

The Scottish Government's Carbon Calculator Tool will facilitate a statement of expected carbon savings over the lifetime of the Proposed Development. Where required, EIA topics will consider predicted changes in environmental conditions to allow an assessment that takes account of climate change conditions.

Ecology & nature conservation

The site is not located within any nature conservation designations, although there are important habitats and wildlife in the surrounding area. The site is dominated by upland habitats including blanket bog, heath and grassland.

Ecology surveys have been completed for the site, including those to inform habitat mapping and surveys for protected species such as bats, otter, water vole and fish.

The survey findings will inform the design of the Proposed Development, with sensitive habitats and species avoided where possible.

Further to this, best practice measures will be implemented during construction and operation to protect wildlife and enhance biodiversity across the site.

Ornithology

The site lies within an area of known importance for upland bird species. The Muirkirk and North Lowther Uplands Special Protection Area (SPA) is located outside the site boundary, approximately 1.6 km from the nearest proposed turbine. Two years of ornithological surveys will be collected for the site, including breeding bird, wintering bird, flight activity and black grouse surveys. Survey data will be supplemented by additional ornithological information, including relevant data sets from nearby wind farm assessments and third-party organisations, where available.



Species recorded to date include a range of notable bird species, including hen harrier, peregrine, short-eared owl, red kite, curlew and golden plover. These species will be considered as part of the forthcoming ornithological assessment; however, significant adverse effects are not anticipated given the extensive availability of suitable habitat within the wider surrounding area, which provides opportunities for these species beyond the site itself

Survey findings will inform the design of the Proposed Development and help identify any mitigation required

to avoid or minimise potential impacts on birds. Collision Risk Modelling (CRM) will further advise on the need for mitigation through turbine relocation or micro-siting.

Hydrology, hydrogeology, geology and soils (including peat)

This assessment considers local watercourses, groundwater, geology and soils, including areas of peat. Most of the site lies within the catchments of the Galawhistle Burn and Monks Water and contains a mixture of peat and mineral soils. Peat surveys have shown that while peat is present across parts of the site, deep peat is less extensive than broad-scale mapping initially suggested.

The design of the Proposed Development will seek to avoid sensitive peat and water features where possible. Detailed assessments will identify measures to protect water quality, manage surface water and reduce disturbance to peat during construction. Where required, access tracks and infrastructure will be designed to minimise impacts on deeper peat areas.



Cultural Heritage

There are no designated cultural heritage assets within the site. However, several scheduled monuments, listed buildings and other heritage features are present within the surrounding area, including the nearby Glenbuck Ironworks Scheduled Monument.

Detailed desk-based studies, walkover surveys and site visits are being undertaken to identify archaeological remains and assess potential effects on the setting of nearby heritage assets. The design will seek to avoid direct impacts where possible, with wireframes and photomontages used to inform assessment of key heritage receptors, including to inform design where required.

Noise & vibration

The closest properties are located approximately 2km from the proposed turbine locations. Noise assessments will consider both construction and operational noise, including cumulative effects with the numerous operational and consented wind farms that form part of the wider Hagshaw Energy Cluster.

Noise modelling will inform the design of the Proposed Development to ensure noise limits are met at nearby properties. Where required, mitigation measures will be incorporated to minimise potential effects during construction and operation.

Traffic and transport

Construction traffic is expected to access the site via the existing Galawhistle Wind Farm entrance from the A70, making use of existing infrastructure wherever possible. Detailed assessments are being undertaken to establish the preferred routes for turbine deliveries and other construction traffic.

The assessment will identify any constraints along delivery routes and consider potential effects on local communities, road users and active travel routes. An Outline Construction Traffic Management Plan will be prepared to ensure traffic is managed safely and efficiently throughout construction.

Aviation

The proposed turbines will have a maximum tip height of up to 200 m and will therefore require aviation lighting in accordance with Civil Aviation Authority requirements. The LVIA will include night-time photomontages to support assessment of the associated visual effects of the lighting.

The aviation assessment will consider potential effects on radar systems, aviation operations and military low-flying activities. Consultation will be undertaken with aviation stakeholders including NATS, Glasgow Airport, Prestwick Airport and the Ministry of Defence.



Landscape and visual impact

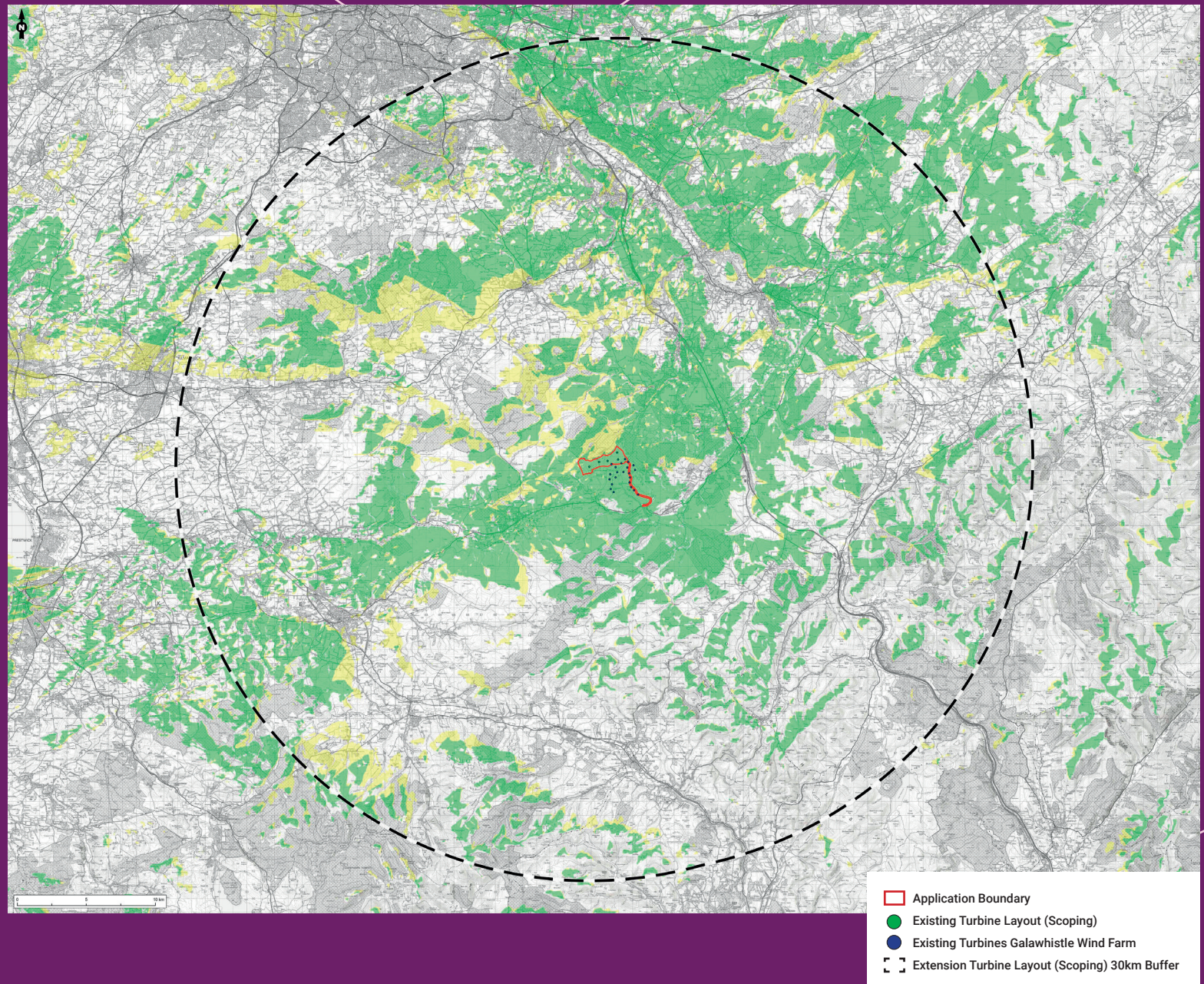
Once the design layout has been finalised, a full Landscape and Visual Impact Assessment (LVIA) will be carried out.

The LVIA will set out the likely significant effects of the Proposed Development on landscape and visual receptors within the study area, identified through a projected Zone of Theoretical Visibility (ZTV) showing where turbines are theoretically visible.

The ZTV is based on a “bare earth” model and does not include screening from buildings or vegetation, which may reduce turbine visibility.

A review of the ZTV against baseline designations and receptors will inform the selection of viewpoints for photomontages included within the LVIA. Viewpoints will be confirmed and, where required, amended following site visits to assess the landscape context and potential for significant environmental effects.

All exhibition materials, including maps, can be found on our website and on display at the exhibition.



Clean energy - supporting a sustainable Scotland

Energy use across power, heat and transport is one of the largest sources of carbon emissions. Unlike fossil fuel, wind power generates electricity without releasing greenhouse gasses – making it an effective tool to tackle climate change. The expansion of renewable energy in Scotland - be it onshore wind, offshore wind, solar, pump storage and hydro – is directly helping to reduce the carbon footprint of the energy system.

By generating more renewable energy to Scotland, we are helping to:

- **Reduce reliance on fossil fuels**
- **Strengthen energy security**
- **Support government ambitions**
- **Help to tackle climate change**
- **Meet rising power demand**

Climate change - impacts in Scotland

Scotland is already experiencing the effects of climate change. Across the UK, temperatures have been rising steadily by around 0.25°C per decade since the 1980's. In Scotland, the evidence is increasingly apparent.

In 2022, Scotland recorded its warmest year on record, with temperatures reaching 35°C. At the other end of the scale, over the past decade, average winter temperatures have also risen significantly.

Extreme weather events that were once considered rare are also becoming more common. Flooding is now a regular occurrence across the country and Scotland has also experienced some of the largest wildfires in its recorded history.

Without action these impacts will continue to increase. Part of our response is the transition to renewable energy - helping to reduce emissions and limit future climate disruption.

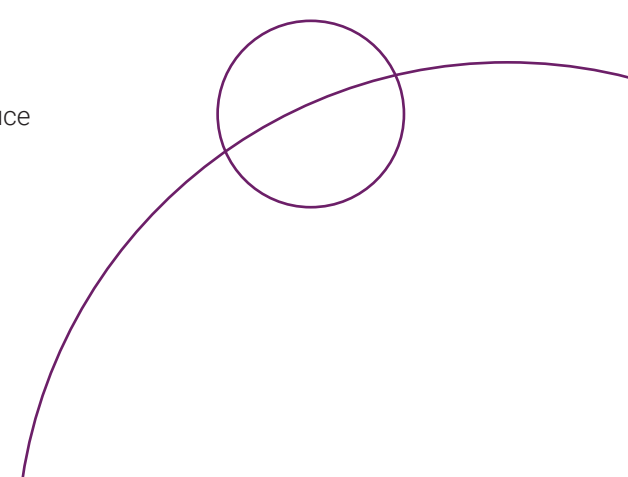
Renewable energy - supply & demand

Scotland already generates a wealth of renewable energy. However, demand is rising.

There is increasing electrification across our transport, heat and digital infrastructure, and it is projected that electricity demand will at least double by 2050.

Meeting this demand will depend on significant investment in the transmission network.

However, as infrastructure is upgraded and more renewable generation comes online, Scotland will be better placed to meet growing demand with clean energy.



Community benefit

Since becoming operational in 2017, Galawhistle Wind Farm has supported local communities and the regional supply chain.

If consented the extension could deliver up to an additional £180,000 community benefit per annum to the existing Community Benefit Funds.

We want to understand how the extension can best support local priorities.



Community ownership

We want to work with the local community and explore the potential to provide community ownership.

At several of our wind farms we have co-operatives which enable people to buy a stake in their local wind farm.

**If you'd like to know more,
contact our project team at
galawhistle@nadara.com.**

Supply chain

We want to hear from local businesses that could be involved in the project should it be approved.

**If you are a local company and
would like to register your interest
visit nadara.com/our-suppliers**



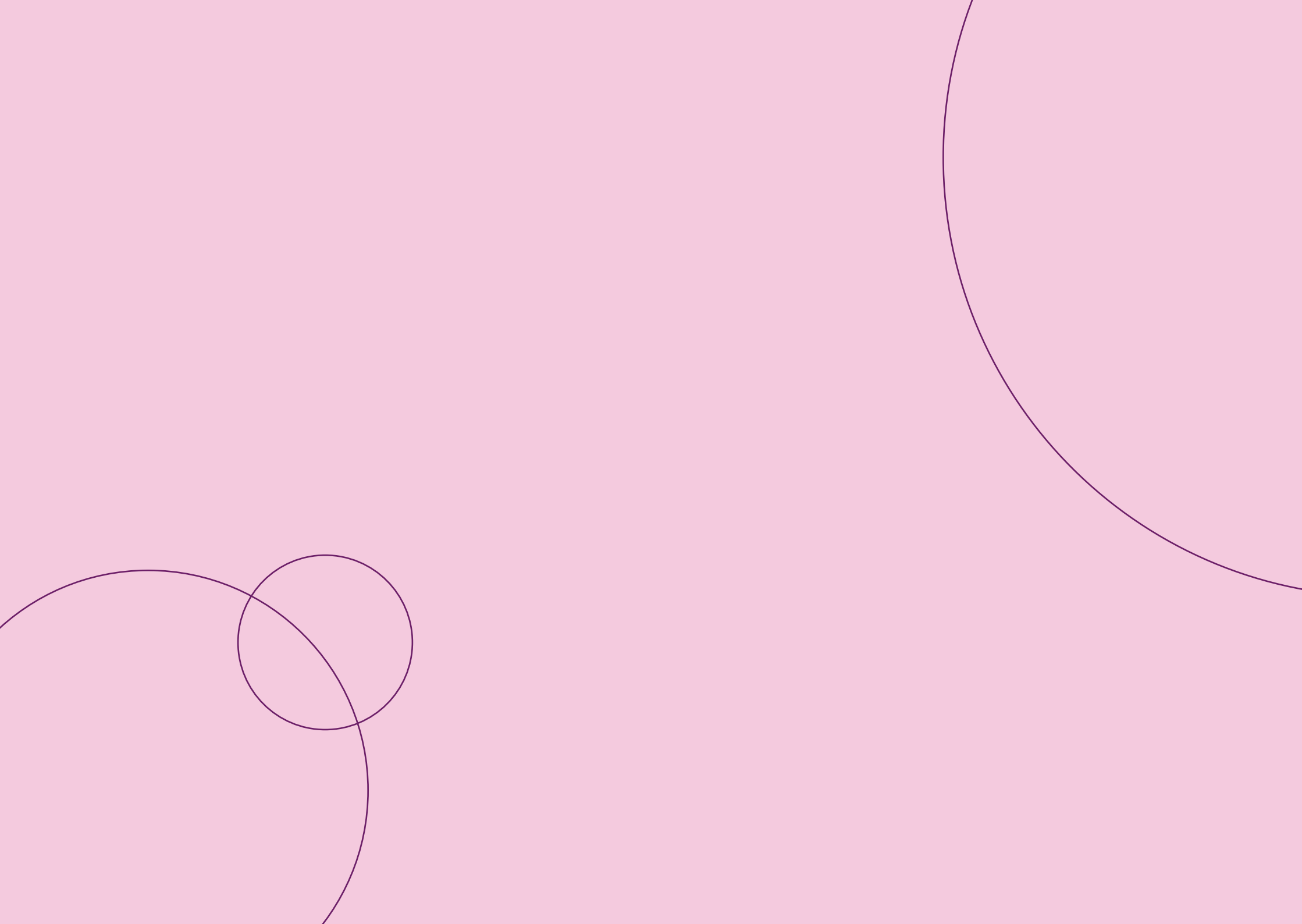
Thank you

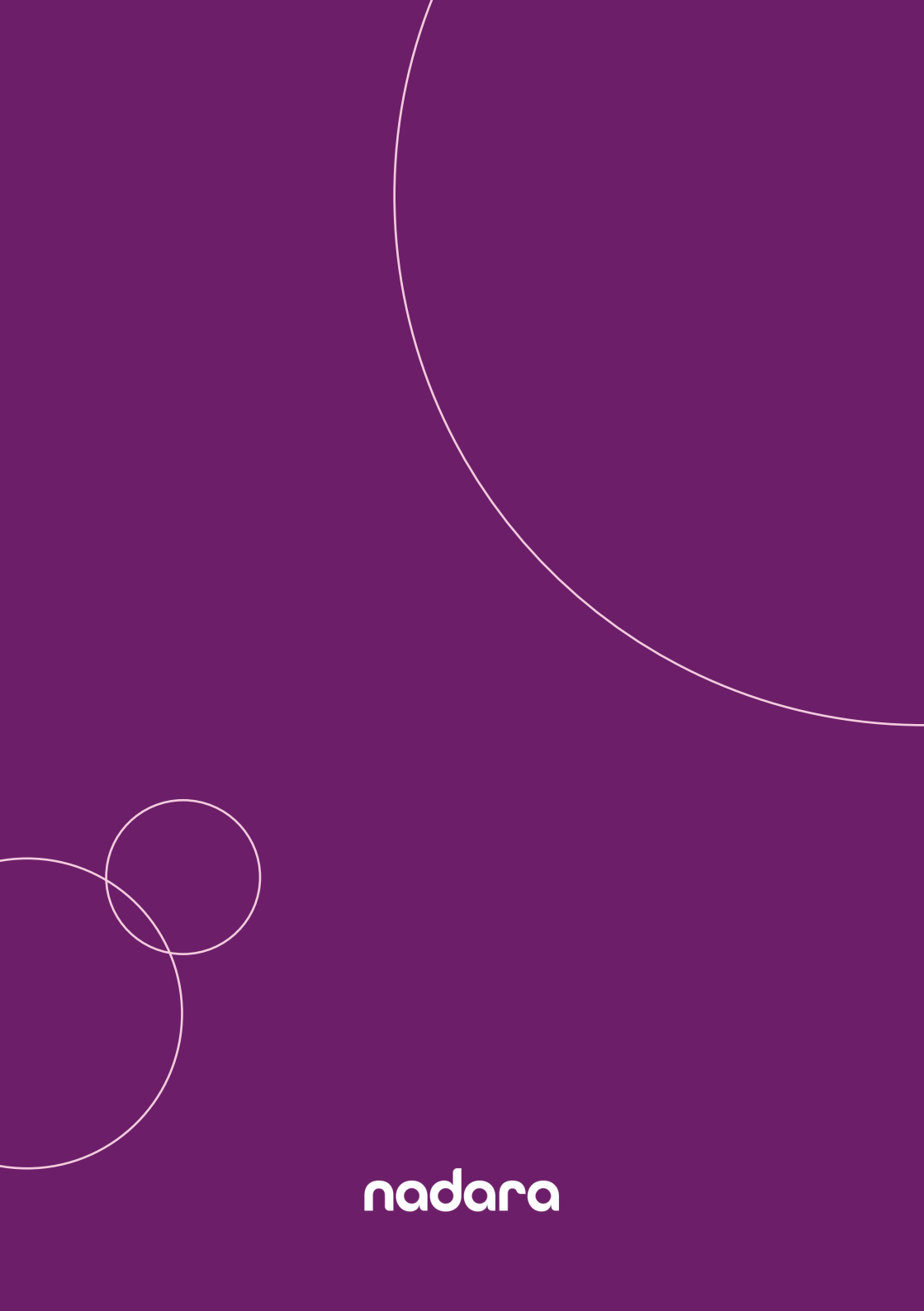
Please take a moment to complete a feedback form, which can also be found online along with all our latest exhibition materials.

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