



January 2019

2018 PAVES THE WAY FOR A BUSY NEW YEAR

Welcome to 2019! Last year marked a highly successful year for Triton Knoll, paving the way for the delivery of our project and the prospect of new business opportunities as well as jobs in the future.

Construction of our project is now well underway, with Triton Knoll hosting a turf cutting ceremony with local stakeholders in September 2018 at the J Murphy & Sons' site offices just off the A16 near Stickney.

It followed an intensive summer during which we launched our £1.5m Community Fund, locally managed by Lincolnshire Community Foundation and with a local panel making all the funding award decisions. I'm now delighted to be able to announce the inaugural awards of almost £115,000 to the first round of successful bidders (more in this issue).

Onshore, the programme of horizontal directional drilling (HDDs) - see later in this issue - began on schedule in October. We expect to make over 700 HDDs on this project, representing a significant engineering challenge for an infrastructure project of this type in the UK.

Preparations for the construction of our new Bicker substation also got underway, while piling works at the existing National Grid substation also began on time. Electrical substations contractor Siemens completed construction of its temporary compound and is now constructing the 5.4km access track to the site.

Offshore, we completed the designs for our offshore foundations, a process which will save steel during manufacture, and we expect to start manufacturing the foundation structures later this year. Our UK-based contractor Fugro also completed a major programme of offshore site investigations surveys, and we are now assessing the results ready for the start of offshore works in 2020.

In 2018, we finalised our port selection. We are delighted that our turbine supplier MHI Vestas will be establishing a full-scale turbine pre-assembly operation at AbleUK's Seaton Port in Teesside. In total, the port activity involving all partners could create around 100 new and predominately local jobs and facilitate over £16m of investment in new infrastructure and equipment.

We also agreed a Memorandum of Understanding (MoU) to use Grimsby as the wind farm's offshore construction services base and long-term Operations and Maintenance (O&M) base.

2019 promises to be just as busy as we progress with onshore construction and prepare for offshore works starting fully in 2020.



Julian Garnsey,
Project Director

SPOTLIGHT ON LOCAL BUSINESS: ALLEN ARCHAEOLOGY

Specialist Lincolnshire-based firm, Allen Archaeology Limited, has been contracted to carry out detailed archaeological evaluation on the Triton Knoll project. This work comprises a variety of surveys, from mapping to trial trenching, metal detecting and earthworks. Project Manager Gavin Glover explains their work in Lincolnshire.



Q. Who is Allen Archaeology?

A: Allen Archaeology is a Lincoln-based archaeological contractor that works primarily on construction projects. For Triton Knoll, we excavate and record archaeological remains that are found during the construction works, and this allows us to understand more about how people lived in the past.

Q. What is your background and what got you interested in archaeology?

A: I became interested in archaeology through a general interest in history and I wanted to pursue something fairly practical. I went to university and gained a degree in archaeology before starting work as a 'digger' on an archaeological site. I really had the archaeology bug at that point! That was back in the early 1990s and I have been involved archaeology ever since.

Q. What is your role on the Triton Knoll project?

A: Triton Knoll's investment into archaeological investigation and mitigation has unlocked a unique opportunity to study the archaeology of the fenland landscape and has already shown us how widely the Romans occupied the area. Our role is to work with the other onshore contractors to help preserve archaeological remains and ensure they are recorded if preservation is not possible.

Q. What archaeological finds are common in Lincolnshire?

A: Lincolnshire is rich in archaeological finds, some of which are extremely well preserved. Along the onshore cable route, perhaps the most common remains are those dating back to the Roman period, although Medieval remains are also well represented. These can vary from the remains of settlements to complex early field systems, and the remains of forgotten industry such as early salt making.

Q. What is the most interesting thing you have ever found?

A: I have been lucky enough to work on many interesting sites over the years, from the remains of Mesolithic hunting camps (dating to the period just after the last Ice Age), through to water mills from the post-medieval period. One site that definitely sticks in my mind was a small Roman site where I excavated the remains of a series of well-preserved buildings. There were numerous coins and broken drinking vessels along with pottery from tableware and cooking pots. Once all of the evidence was gathered together, we concluded that it was probably a form of Roman tavern; it is not every day you find a 2,000-year-old pub under your feet!



For more information on archaeology at Triton Knoll, visit our website.

A BRIEF LOOK AHEAD TO 2019

Q1

- Onshore Substation – start of main construction works
- Start of 2 x 400kV grid connection cable installation
- National Grid – start of unlicensed works
- Start of offshore foundations fabrication
- Start of Offshore Substation Platform (OSP) fabrication
- Landfall/Offshore Horizontal Directional Drilling (HDD) mobilisation

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TRITON KNOLL TEAMS UP WITH GRIMSBY RENEWABLES PARTNERSHIP AT CONFERENCE AND FREE SUPPLIER DAY 6 & 7 FEBRUARY, 2019



Triton Knoll and our contractors are already working closely with many local, regional and UK businesses as we move into onshore construction. 2019 will see even more activity as the project gears-up for offshore construction the following year, including at our selected port in Seaton and our base in Grimsby.

We are therefore delighted to be teaming up with Grimsby Renewables Partnership as lead sponsor of their annual conference on 6 February, and will be hosting a dedicated Triton Knoll supplier event the following day, on 7 February, which is free to attend.

Members of our Supply Chain – A2Sea, MVOW, Siemens Transmission and Distribution and AbleUK – are supporting the event and will be involved

in pre-booked 1-2-1s with interested suppliers. Triton Knoll's Operations and Maintenance manager, plus representatives from innogy's 1,200MW offshore project Sofia are also attending.

During the supplier day you can expect to:

- Learn about Triton Knoll and innogy procurement processes from Graham Cowley, our Head of Offshore Contracts
- Find out more about potential to work with Triton Knoll's Turbine Supplier, MVOW
- Hear insights around breaking into and building up experience within the offshore wind industry, from project subcontractor Granada Materials & Handling's CEO Mark Sidwell

In partnership with GRP, the two-day conference will be hosting local students from nearby colleges on day 1, while a new 'innovation corner' is being set up on day 2, giving local firms a chance to show off their ideas. Look out for more information, on the Grimsby Renewables Partnership website at www.grpconference19.eventbrite.co.uk

DECOMMISSIONING PLAN CONSULTATION **UPDATE**

Consultation on Triton Knoll's draft Decommissioning Programme, which outlines our plans for the removal of the offshore infrastructure associated with the wind farm array and export cable route after the project has reached the end of its lifecycle, ends on

25 January 2019. The final programme will be submitted to the Department of Business, Energy and Industrial Strategy (BEIS) next month (February 2019). Check our website for the latest information.

2ND HALF 2019

- Commencement of onshore export cable pull & install
- Start of landfall/offshore HDD (see item later in this issue)
- Commencement of offshore export cable and array cable manufacture
- Commence potential unexploded ordnance investigation and clearance activities

- Array cable boulder clearance works
- Mobilisation of Grimsby Port onshore construction base
- Installation of scour protection

COMMUNITY FUND UNVEILS £115,000 WIND FALL FOR LOCAL PROJECTS



Twelve key projects at the heart of their communities will share an almost £115,000 windfall, thanks to the first ever awards from the Triton Knoll Community Fund.

A volunteer-led First Responders charity along with projects to provide safe community play areas and the refurbishment of a key church hall, are among the recipients of the new, locally-targeted fund.

The first Triton Knoll awards are from the £500,000 "Construction Fund" which operates during the two years of construction of our onshore electrical system. The fund officially opened in August 2018 and aims to support locally important projects. It is part of the wider Triton Knoll Community Fund which will deliver a total of £1.5m into communities closest to the project's onshore construction works and infrastructure.

Triton Knoll project director Julian Garnsey said he was delighted to see the range and diversity of projects that were successful in the first round: *"I am so pleased to see such important local projects at the heart of this first round of funding awards. We always aimed to ensure the fund delivered maximum benefit to our closest neighbouring communities, and that's exactly what this first round has done. A huge 'congratulations' to all those successful projects and we look forward to a second bumper round of applications in the next round."*

Communities across the area of Triton Knoll's onshore electrical system are now beginning to benefit from the first awards, from Hogsthorpe,

Anderby and Brothertoft to Swineshead, Great Hale and Donington. All applications are reviewed and determined by a panel of local people to ensure the best decisions are made for nearby communities.

Sue Fortune, of Lincolnshire Community Foundation, which administers the fund, said she was encouraged by the response from local groups: *"The level of interest we received demonstrates that there is definitely a strong local need for this type and level of local grant support, especially where groups find it difficult to access appropriate and flexible support elsewhere."*

"It's been great to see such a range of really impactful projects coming forward during this first round and which can make a real difference right across our local communities. We're already talking with other groups about the next round of funding, and we'd really like to encourage even more communities to think about how this flexible funding can be best used to support them."

The next closing date for new applications is 1 May 2019, with the panel meeting on 19 June 2019.

For more information about the Triton Knoll Community Fund, visit the Lincolnshire Community Foundation website www.lincolnshirecf.co.uk or the Community Fund section of the Triton Knoll website www.tritonknoll.co.uk.

FIRST ROUND AWARDS

○ Improving Donington's Environment for All (IDEA)	£5,940.00
○ LIVES (Lincolnshire Integrated Voluntary Emergency Service)	£15,000.00
○ Anderby Village Hall	£2,081.22
○ Hogsthorpe Parish Council	£4,310.00
○ Swineshead Village Hall	£10,000.00
○ Great Hale Newsletter	£1,200.00
○ Hogsthorpe Memorial Recreation & PFA	£19,755.00
○ Anderby Rocks	£6,596.49
○ Brothertoft Village Hall	£10,000.00
○ 7th Boston (Swineshead) Scout Group	£6,317.95
○ Parochial Church Council of St Mary's at Swineshead	£30,000.00
○ Swineshead Bowls Club Storage container for equipment	£3,300.00

TOTAL AWARDS £114,500.66



AWARDS SPOTLIGHT

Here, we point the spotlight at some of the successes from this inaugural funding round. For more on our successful award winners, visit our website www.tritonknoll.co.uk

1. 'LIVES' – Funding the recruitment, training and equipping 25 new volunteer Community First Responders in 2019

LIVES (Lincolnshire Integrated Voluntary Emergency Service) is a volunteer-led charity that sends community-based first responders and medics to the scene of medical emergencies across Lincolnshire. Their Triton Knoll Community Fund award will recruit, train and equip 25 new volunteer Community First Responders in 2019, from local people in communities from Anderby Creek to Bicker Fen. These new volunteers will attend local medical emergencies at the request of the ambulance service and, over five years, would likely benefit some 3,420 local people according to the charity.

Chief Executive Nikki Silver: "Every year, we're able to meet the running costs of our Community First Responders through the support of the local NHS, community fundraising, and local trusts and foundations, but this doesn't cover the costs of recruiting, training and equipping new volunteers.

"We're enormously grateful for the support of the Triton Knoll Community Fund in increasing our ability to support people in communities from Anderby Creek to Bicker Fen – thank you!"

2. 7th Boston Scout Group – funding a new, purpose-built trailer plus new tents, supporting more joint activities and experiences for the young people

Group Scout leader Alan Blackhorse-Hull:

"Transporting everyone and their kit is always a struggle. I'm always amazed by these kids; they have responded so well to the activities and focus we've provided for them so far, so this news from Triton Knoll is absolutely amazing."

3. IDEA (Improving the Donington Environment for All) – funding refurbishment of local community play area at Flinders Park

Gill Lunn, committee member of IDEA: "We're so pleased to have received this funding which will help fund the repairs necessary to inject new life back into our great community facility for many more years to come."

4. Parochial Church Council (PCC) St Mary's Church Hall, Swineshead - funding extensive restoration works

PCC Member Brian Skinner: "This project will not only make it a safer place for the groups who use it now and in the future, it will also help improve the local environment and surrounding area. This kind of funding is vital to us."

5. Anderby Village Hall – replacing old and damaged tables, plus storage improvements

Parish Clerk Jenny Hayes: "We would be unable to raise the amount of money for this work without help such as yours. Many thanks for this."

LANDFALL CONNECTIONS

Key works to connect Triton Knoll's onshore and offshore electrical circuits are expected to start this Spring at the project's landfall location north of Anderby Creek.

Our contractors J Murphy & Sons Ltd (JMS) and Boskalis (part of the VBNK consortium between cable installer Boskalis and cable manufacturer NKT) will carry out the works locally.

To date, JMS has been preparing the onshore Haul Road which runs between Temporary Construction Compound* (TCC) 1 and 2, and includes the building of a bridge across Anderby Main Drain, to allow construction traffic to access TCC 1.

The nearshore Horizontal Directional Drilling (HDD - more about horizontal directional drilling later in this issue) and supporting onshore construction activity will take place from TCC 1. The drills will establish two 900 metre-long tunnels beneath the sand dunes and beach, avoiding the sea defences. These tunnels will emerge offshore in two purpose-built exit pits; specialist vessels will then feed the high-density polyethylene pipe ducting through from offshore to onshore, ready to receive the 220kV export cable circuits in 2020.

The nearshore drilling work is scheduled to finish by the end of June.

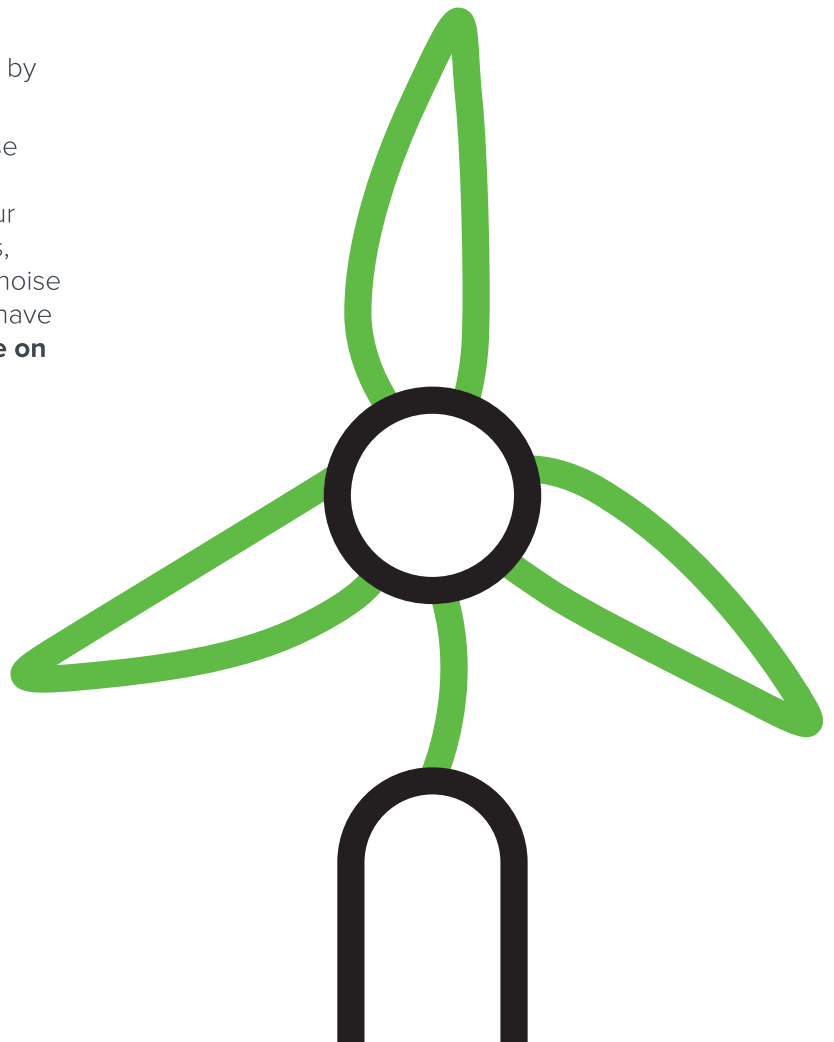
We anticipate there could be some low-level noise associated with the works, both directly from the drilling, and from the supporting infrastructure. Our contractors are doing all they can to minimise this, including installing soundproofing and using low noise equipment where they are able. However, if you have any issues with the works, you can call us **for free on 0800 2545 270**.

All works are being coordinated with the Environment Agency to avoid impacting on the annual beach replenishment programme in the Spring.

Throughout the works, visitors to the beach will see a number of vessels close to shore, including a BackHoe Dredger and a Pipe Feed-in Barge, as well as numerous smaller vessels linked to the works.

Final details of the works were being finalised as we went to print, and will be communicated locally ahead of works starting, for example with a drop-in session at Anderby.

* Temporary Construction Compounds are key hubs located alongside main construction works and used for the likes of materials storage, facilities and equipment.



PROTECTING “THE SCRAPES”

Triton Knoll’s onshore cable route crosses a number of coastal grazing marshes and significant planning has gone into each horizontal directional drill (HDD) site, to ensure the work has minimal impact on the environment.

One of the most challenging locations is **The Scrapes** – a 6000m² grassland with wet ponds providing habitat for wildlife, including wintering birds and a small population of great crested newts. At our HDD site south of Burgh le Marsh, contractor J Murphy & Sons provided positive solutions to these challenges, through design alterations.

Solutions included:

- Extending the drill length to ensure equipment stays 200m away from any wintering birds
- Removing the haul road to prevent damage to local habitats and species – it was agreed with the local planning authority that construction vehicles could temporarily use the local road network to access the working area
- Ensuring an ecologist is present on site during the work to monitor the construction operation and minimise disturbance to the habitats
- Use of acoustic screening around our drilling equipment to reduce the noise and effect on local people and wildlife



SPOTLIGHT ON LOCAL BUSINESS: SCARBOROUGH NIXON

Scarborough Nixon Associates Limited is a local firm assisting the delivery of Triton Knoll. The Lincolnshire-based company provides ecological support and has carried out wildlife and habitats surveys along the cable route.

Some of its main work on the project includes:

TRANSLOCATING NEWTS

In August and September 2018, Scarborough Nixon Associates translocated great crested newts in order for a haul road to be constructed, enabling construction vehicles to access the cable route and reducing the number using local roads. The work involved fencing off an area and safely trapping the great crested newts, which resulted in 15 being safely translocated.

EXCLUDING BADGER SETTS

Where possible, the construction work along the cable route has been designed to avoid and reduce disturbance to badger setts. In the few cases where this has not been possible, badger holes have been closed using one-way gates and then infilled once the badgers had been safely relocated to a nearby sett.



PROTECTING WATER VOLES

Earlier this year, Scarborough Nixon Associates undertook surveys and water vole assessments of watercourses close to upcoming construction activity. Using a special licence, water vole burrows were relocated to ensure that no water voles were present ahead of the works commencing.

In some areas where water voles were not present, the banksides were flailed as a precautionary measure to prevent potential disturbance. Following the construction work the banksides of the watercourses will be reinstated.

TRITON KNOLL ONSHORE SUBSTATION UPDATE

In our last newsletter, we advised that Triton Knoll had appointed Siemens Transmission and Distribution Limited to manage and deliver the construction of our new onshore substation and associated works.

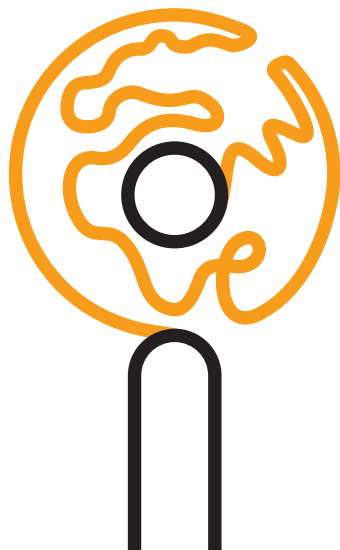
The main activities taking place at the Triton Knoll Onshore Substation site are the construction of our new dedicated access road directly from the A17 to our new substation site. We recently finished constructing and tarmacking of the bellmouth to the new road, to ensure that heavy loads can safely exit and access the site from the A17. The road narrowing which was in place on the A17 has now been removed.

In agreement with Lincolnshire Highways, the 40mph speed restriction will remain in place for the duration of our construction works for the safety of our staff and other road users.

We have also commenced construction of the temporary access track from the Triton Knoll substation site to the National Grid Bicker Fen substation, ensuring access to complete the works required to connect into the National Grid electricity network. Enabling works have also started at the site of our new substation including topsoil stripping and archaeological mitigation.

TRAFFIC MANAGEMENT

Following feedback received from members of the local community, we have initiated some additional controls to ensure we are able to manage all traffic relating to the construction of the Triton Knoll substation as per the approved Traffic Management Plan. All traffic relating to our construction works will enter site via our new dedicated access road off the A17 to ensure that we do not impact on local villages.



The following measures have been put into place with our contractors:

- **All drivers working on behalf of Triton Knoll have been given further training and inductions to confirm our traffic management commitments are fully understood**
- Any lorries delivering to our site now have a large poster displayed in the cab to assist in identification. Any lorries that arrive without correctly displaying the sign are turned away
- Additional signage has been placed around the entrances to local villages which read "No Triton Knoll Offshore Wind Farm Limited (TKOWFL) construction traffic is allowed to access the village"
- We have redistributed the site postcode to all drivers who deliver to the substation site. This postcode ensures drivers are directed via the A17 and not through the village

Now that our temporary access road has reached Bicker Drove we have put a number of additional measures in place to ensure that no construction vehicles travel through Bicker village rather than back down our access road.

These include:

- A banksman who will direct and monitor traffic
- Installation of gates to ensure that our construction traffic is kept separate from public traffic
- Farm vehicles and other public vehicles will always take priority over construction traffic
- The gates will be secured at night to ensure that no one can access our track or site when it is unattended

If you do see construction traffic which you believe relates to Triton Knoll in Bicker, Swineshead or other local villages, please do let us know by calling 0800 2545 270 so that we can investigate.

COMMUNITY ENGAGEMENT

We held a community drop-in session at Bicker Village Hall on 21 November 2018, to discuss traffic management measures at Bicker Drove and our alternative access routes into the National Grid Bicker Fen substation as detailed in this section. We are always happy to make members of our team available to meet with members of the community, so if there are issues or concerns that you would like to discuss at a similar event, please do let us know and we will look to arrange it.

We recently erected a notice board on the wall at Bicker Prep School. Any news and updated information relating to Triton Knoll will be displayed here for your information. The board will remain after the project is completed for the benefit of the school.



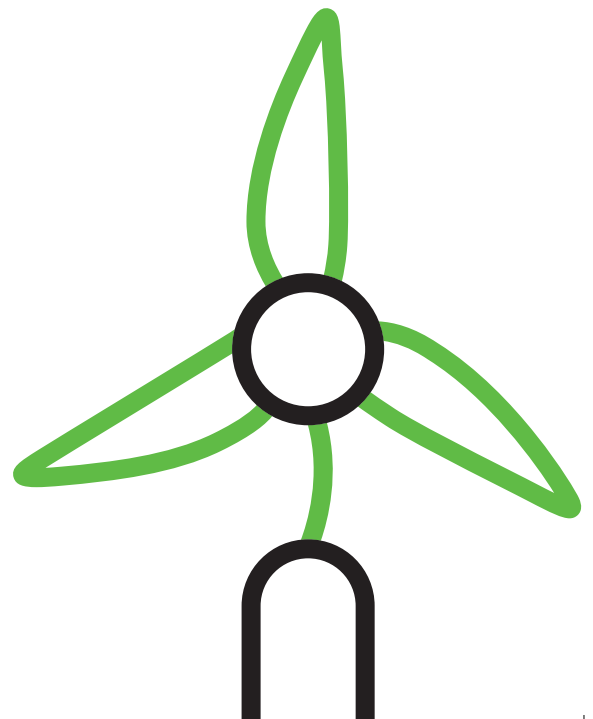
PROMOTION OF SCIENCE, TECHNOLOGY, ENGINEERING & MATHS (STEM)

Our contractor Siemens is keen to promote the above subjects in the local schools and colleges.

Later this month (in January) they will be joining the local Science Learning Partnership and local Science, Technology, Engineering & Maths Hub and local teachers in a one-day event aimed at “putting the WOW into science week” and inspiring the next generation of scientists, inventors and engineers. See the British Science Week website for more information: www.britishscienceweek.org

ARCHAEOLOGY AT THE SUBSTATION

As set out in our Written Scheme of Investigation (WSI) submitted and approved by relevant consultees back in the summer, we are undertaking archaeological mitigation at specified locations around the site of our new substation. Lincoln firm Allen Archaeology (see article in this issue) is completing this work on our behalf and has been busy investigating areas of interest shown up during our previous trial trench campaign. Any finds will be detailed and made public once this work is complete. We will look to hold an event this year for anyone interested in finding out more information.



TRITON KNOLL ONSHORE CABLES INSTALLATION **UPDATE**

J Murphy & Sons Ltd (JMS) is the lead contractor appointed to install the 57km underground onshore cable, part of the Triton Knoll Onshore Electrical System.



We caught up with JMS Construction Lead Mark Kay on how the early stages of construction are progressing:

"On 10 September 2018, we celebrated the start of construction of the onshore cable route, and over the next two years we will be delivering our construction programme from the landfall location north of Anderby Creek where the onshore and offshore cables connect to the new substation being constructed near Bicker."

"So far, we have established our site offices, temporary construction compounds and bellmouths at key points along the route and started preparing for cable installation at various sites. While our specialist construction team is working to address the engineering challenges of delivering this nationally significant project, we are also mindful of the impact this can have on communities."

"We are committed to working considerably and minimising disruption as much as possible. We also recognise the importance of reducing our impact and so are ensuring that all the necessary mitigation measures are put in place and are communicated locally."

WHAT YOU CAN EXPECT FROM JMS

During construction, and where relevant to you, we will:

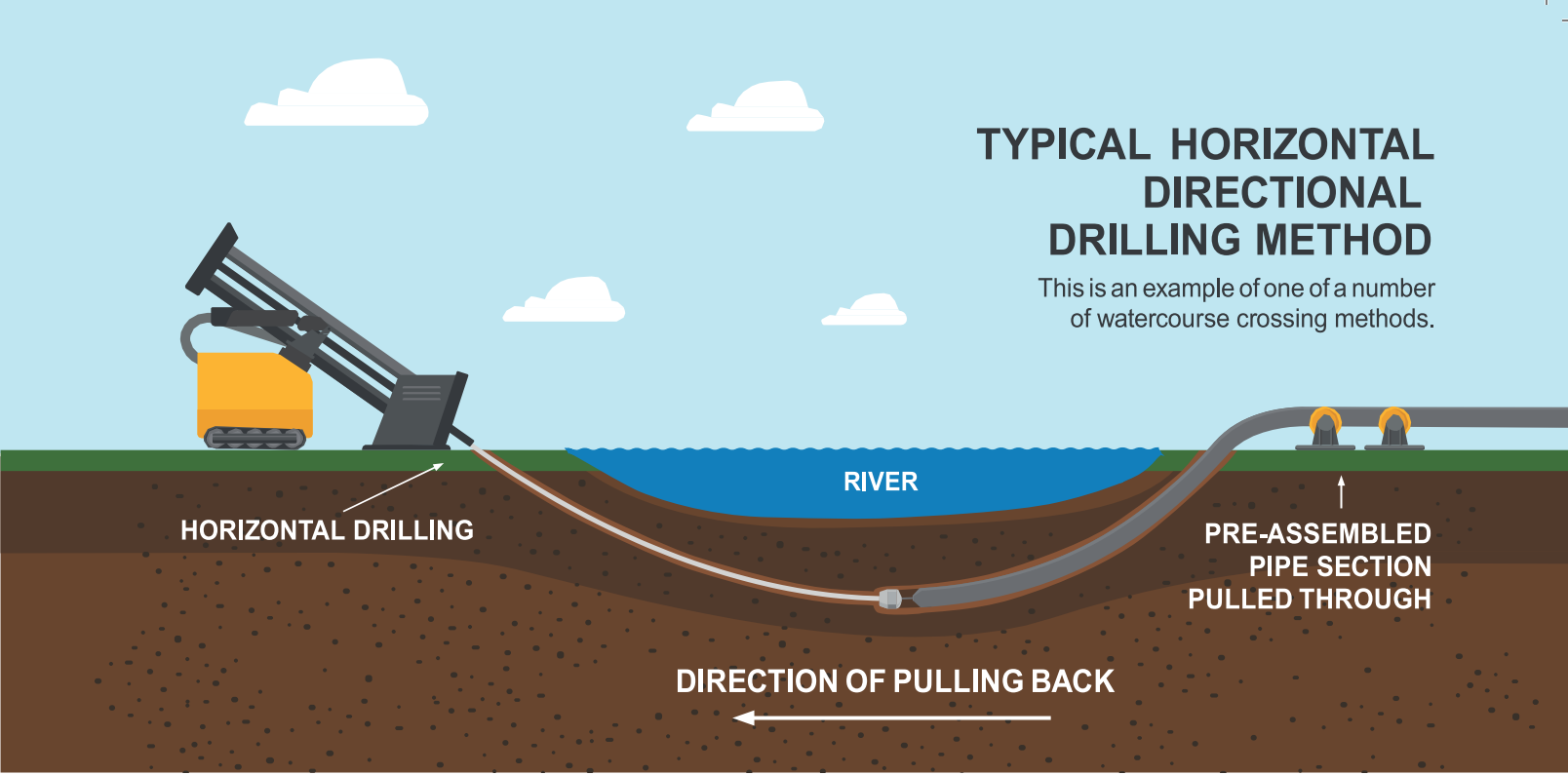
- Write to you in advance of impactful or noisy works (including Horizontal Directional Drilling) taking place in your area
- Write to you in advance of road closures required to facilitate our work, including details of the diversion route agreed with the local authority
- Work within the agreed working hours (7am – 7pm Monday-Friday; and 9am-1pm Saturday) and inform you in advance of any work that needs to take place outside of this time
- Keep our work areas safe and tidy

Throughout these works, we want to be open and to engage in a two-way dialogue with the community. If you have any questions or concerns about any of the work taking place in your area, we encourage you to contact us on 0800 2545 270 or email info@tritonknoll.co.uk and our dedicated community relations team will help respond to your enquiries.

WORKING WITH LOCAL BUSINESS

JMS as the main lead contractor installing the majority of the underground onshore cables, relies on subcontracting work to specialist companies to help deliver the project. Where possible, JMS has engaged the local supply chain and employed firms that are located in the area and have experience working in Lincolnshire.

This includes a variety of project work ranging from environmental and archaeological surveys to carrying out HDD along the cable route. JMS is committed to utilising knowledge, skills and expertise from the local area and ensuring there is maximum opportunity for local businesses to benefit from the project.



HORIZONTAL DIRECTIONAL DRILLING

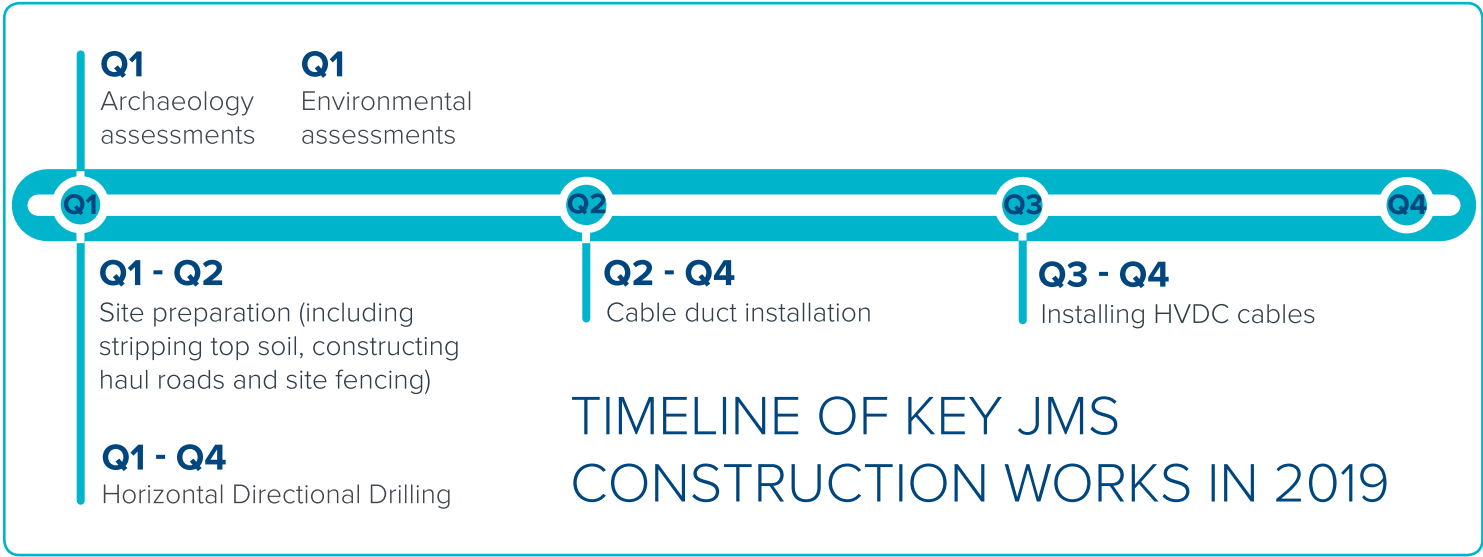
Much of the onshore cable route construction will involve excavating a trench and installing ducts into which the cables are pulled. Where we encounter obstacles such as roads and watercourses, we will use a construction technique called Horizontal Directional Drilling (HDD).

HDD is a process whereby a tunnel is drilled under an obstacle and a cable duct is pulled through the drilled underground tunnel. It avoids the need for trenches, and means we can avoid rivers, roads, drains and other obstacles across the entire 57kms cable route.

JMS anticipates over 700 individual HDDs along the cable route, which is the most ever recorded for an infrastructure project in the UK. We have an expert team comprising highly skilled and experienced engineers to carry out the operation with minimal



disruption. The image here shows a typical HDD site and is an indication of what you might see at one of our drilling sites. We have already used HDD at a number of locations along the route and we are writing to local properties in advance of these works taking place.



OUR GOLDEN RULES FOR SITE SAFETY



At Triton Knoll, we are committed to safety and ensuring construction activities undertaken by our supply chain partners are conducted in the safest way possible – and with the least amount of disruption and impact.

Our supply chain partners have already taken steps to ensure areas of work and interfaces such as public rights of way and construction vehicle crossroads are safe, secure and maintained to the high standards of health and safety that both we and you would expect.

However, we would like to remind you that construction sites can be dangerous places, and that only authorised persons are permitted to access the site. A small number of Public Right of Way access points do intersect our site and so we ask that you please follow these 5 Golden Rules designed to keep you, your family and pets safe.

- Always keep to the designated crossing points
- Always keep children in sight and cross at the designated crossing points
- Always keep any dogs on a lead when crossing at the designated crossing points
- Never deviate from the designated crossing points
- Never enter the construction site for any reason

Finally, at the substation, to ensure the safety of our contractors, landowners and members of the public, we have set up fencing around our site. Access for landowners will be maintained onto their land.

OUR NEW SHAREHOLDERS



Two new partners have joined majority shareholder innogy in owning a stake in Triton Knoll. Japanese energy firms J-Power and Kansai Electric Power will hold 25% and 16% shares respectively, while innogy retains 59% and will lead on construction, operations and maintenance of our project.

HOW TO KEEP UP TO DATE

Our project website is kept up to date with all our latest news and information, while we will also keep communities informed using newsletters and community drop-in events. In the meantime, please feel free to contact the team using the details below.

E. info@tritonknoll.co.uk

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W. www.tritonknoll.co.uk

If you require this newsletter in large print, please request a copy by calling 0800 2545 270.

