

Project CLoCC



OVERVIEW AND HIGHLIGHTS

Agenda

- Brief history
- Key project objectives
- Project timelines
- Highlights
- Key learning gained
- Further work
- Timelines – what happens next...
- What to do next

Brief history

- UK regulator makes funding available for innovation – for both gas and electricity competitions and allowances (NIC and NIA projects)
- Approximately £20m available annually for gas National Innovation Competition projects (NICs)
- Project CLoCC successfully won £4.8m of a £18m pot in 2015

Key project objectives

Open up the network to our potential future customer base through facilitating lower flow gas connections to the National Transmission System by reducing the cost and time it takes to connect.

Current status of gas connections	Project CLoCC objective
Up to 2 year process to 'gas on'	Less than 1 year to 'gas on'
Up to £2million	Less than £1million

Project workstreams

Gas customer connections portal

- Online application forms
 - Indicative cost estimates
 - Track status updates
-

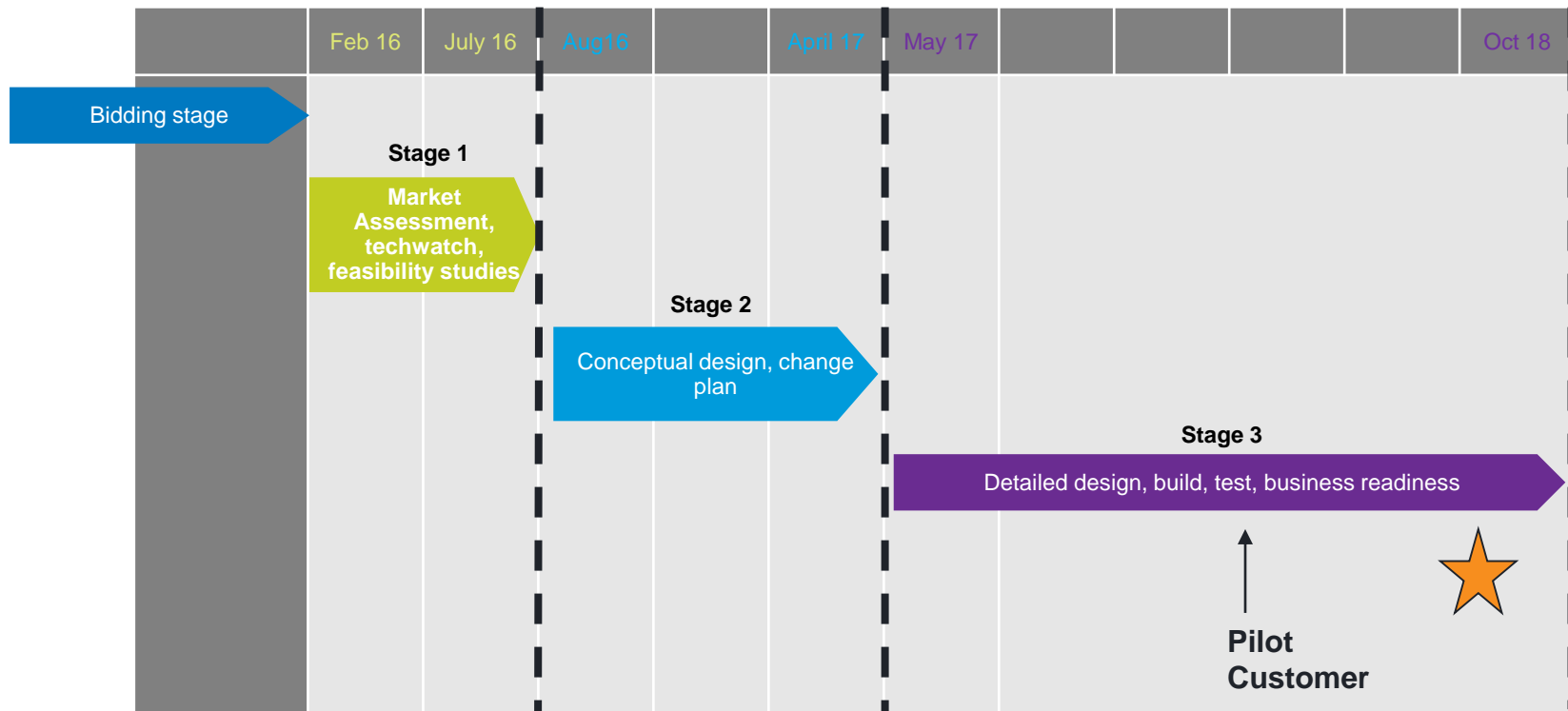
Technical workflow

- Standardised designs
 - Existing site database
 - Technical guidance documents
-

Commercial workflow

- UNC changes
 - Revised fees
 - Revised timelines – standard design connections
-

Project timelines



Project Highlights



Connections portal – preview available today

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Connection portal / Application summary / Indicative quote

1 Site Location 2 Technical Parameters 3 Indicative Quote

SITE LOCATION

Please tell us the location of the site you want to connect. Simply enter your post code or longitude/latitude coordinates (if you know them) and we will select the closest connection point. Required fields are indicated by a red asterisk *.

INFORMATION
For the purpose of this prototype we have used a pre-defined geographical area to illustrate the process. Please select a postcode from the dropdown box.

Postcode
CV36 5HG ✓

or

Latitude (Valid range: 51.2 to 52.16) * DD
52.023065 ✓

Longitude (Valid range: -4.21 to -4.22) * DD
-1.8701866999999994 ✓

Click and drag your site marker to change the location.

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TECHNICAL PARAMETERS

To help us size your connection we need you to tell us some technical details. Required fields are indicated by a red asterisk *.

Type of Connection required *
Entry ✓

What types of connections are available? >

ENTRY

What is your maximum required flow rate? *
56 ✓ Som/hr x1000

What is your maximum delivery pressure? *
76 ✓ barg

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Connection portal / Application summary / Indicative quote

1 Site Location 2 Technical Parameters 3 Indicative Quote

YOUR INDICATIVE QUOTE

Based on the information you have provided this is the closest connection point to an existing National Grid Above Ground Installation (AGI). There may be a transmission pipeline closer to your location. Please select the NTS pipeline connection option from the drop down menu for an indicative quote.

Required fields are indicated by a red asterisk *.

Connection option *
Connection to an Above Ground Installation (AGI)

Distance from customers facilities to the NIS connection point
2.65km

Click and drag your site icon to change the location.

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Enhancements to your connection solution >

INDICATIVE QUOTE

The indicative quote below provides an indication of the likely cost for your connection to the National Grid transmission network, based on the information you have provided. If you wish to proceed to a formal offer click on the 'Continue With My Application' button where we will need some more detailed

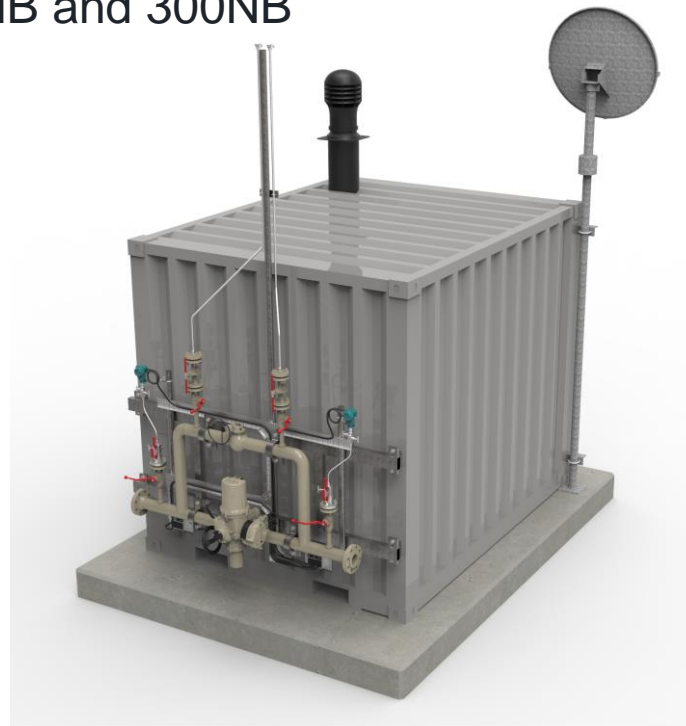
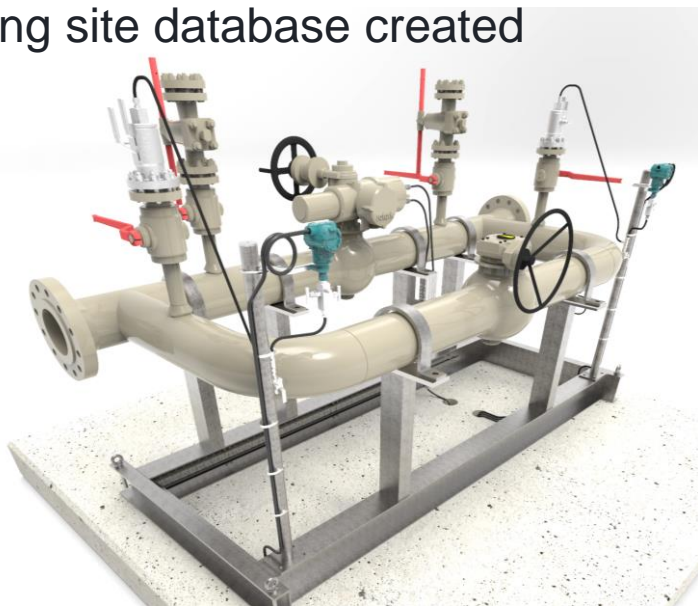
Technical workstream

Standardised designs, modular arrangements

Variety of pipework sizes available - 80NB, 200NB and 300NB

Technical guidance documentation created

Existing site database created



Commercial workstream

Application to Offer	Implementation of UNC modifications 0627s (non-ROV) and 0629s (standard design connections)
Application fees	UNC modification 0629s and 0628s – reduced fees for standard design connections and PARCA
Capacity	Improved alignment between connection and capacity processes – UNC modification 0628s
Contracts	Simplification of connection contracts where possible
Gas quality	Enabling more flexibility on Entry specification - oxygen
New points process	Engagement progressing positively with Ofgem to improve timelines

Learning gained



Key learning gained

<p>Connections Portal</p>	<ul style="list-style-type: none"> • Value of prototyping • Order of scheduled activities – later software development • Value of upfront, easily accessible information • Mapping functionality • Simplified visualisation
<p>Technical Workstream</p>	<ul style="list-style-type: none"> • Value of standardised designs • Improved understanding of enhancement opportunity • Improved understanding of renewable telemetry kiosk opportunity • Gas quality measurement requirements
<p>Commercial Workstream</p>	<ul style="list-style-type: none"> • Value of process alignment • Reduced upfront fees • Gas quality specification blockers • Staggered UNC implementation and separate UNC modifications
<p>General</p>	<ul style="list-style-type: none"> • Importance of engagement • Naturally collaborative team

Cost and time saving examples

Cost savings	Time savings
Reduced connection application fee	Gas connections portal – indicative cost estimate functionality
Standard designs - detailed design project phase	Gas connections portal – online forms
Non-ROV option	Gas connections portal – anytime status updates
Reduced PARCA application fee	Standard designs – detailed design project phase
Gas connections portal – upfront information available	Reduced connection offer timescales – UNC 0629s
Filter and meter modular designs available for customers	Reduced PARCA offer timescales – UNC 0628s

Further work

Gas customer connections portal

- Phase 2 of portal development
 - AI?
 - Further data available via mapping functionality?
 - Gathering further customer feedback
-

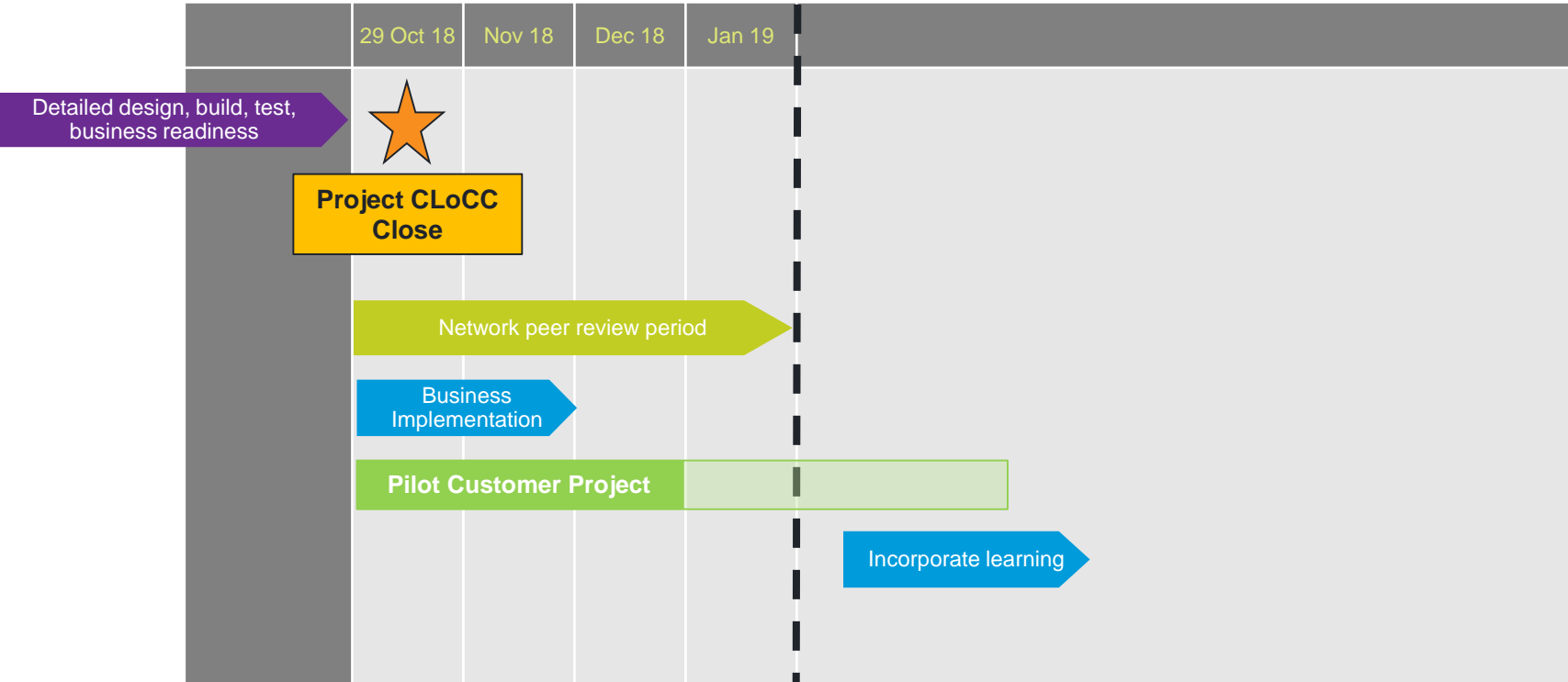
Technical workflow

- Renewable telemetry kiosk
 - Continued testing of our designs
 - Continued refinement of costs
 - Continued refinement of timelines
-

Commercial workflow

- Licence points table – ongoing discussions continue
-

Timelines – What happens next...



What to do next?

- Project CLoCC enquiries

www.projectclocc.com

- Gas customer connection enquiries, contact the team

Box.UKT.customerlifecycle@nationalgrid.com

Today

- Please ask questions
- Feedback welcome!!
- Enjoy your day ...

