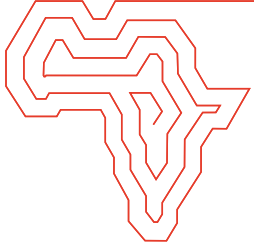




**VERTUAL BRIEING SESSION FOR
EXPRESSION OF INTEREST (EoI) FOR:
SMALL TO MEDIUM SCALE LIQUEFIED
NATURAL GAS (LNG) IMPORTATION**

**TIME: 10:00 AM
DATE: 08 November 2023**

CONTENTS



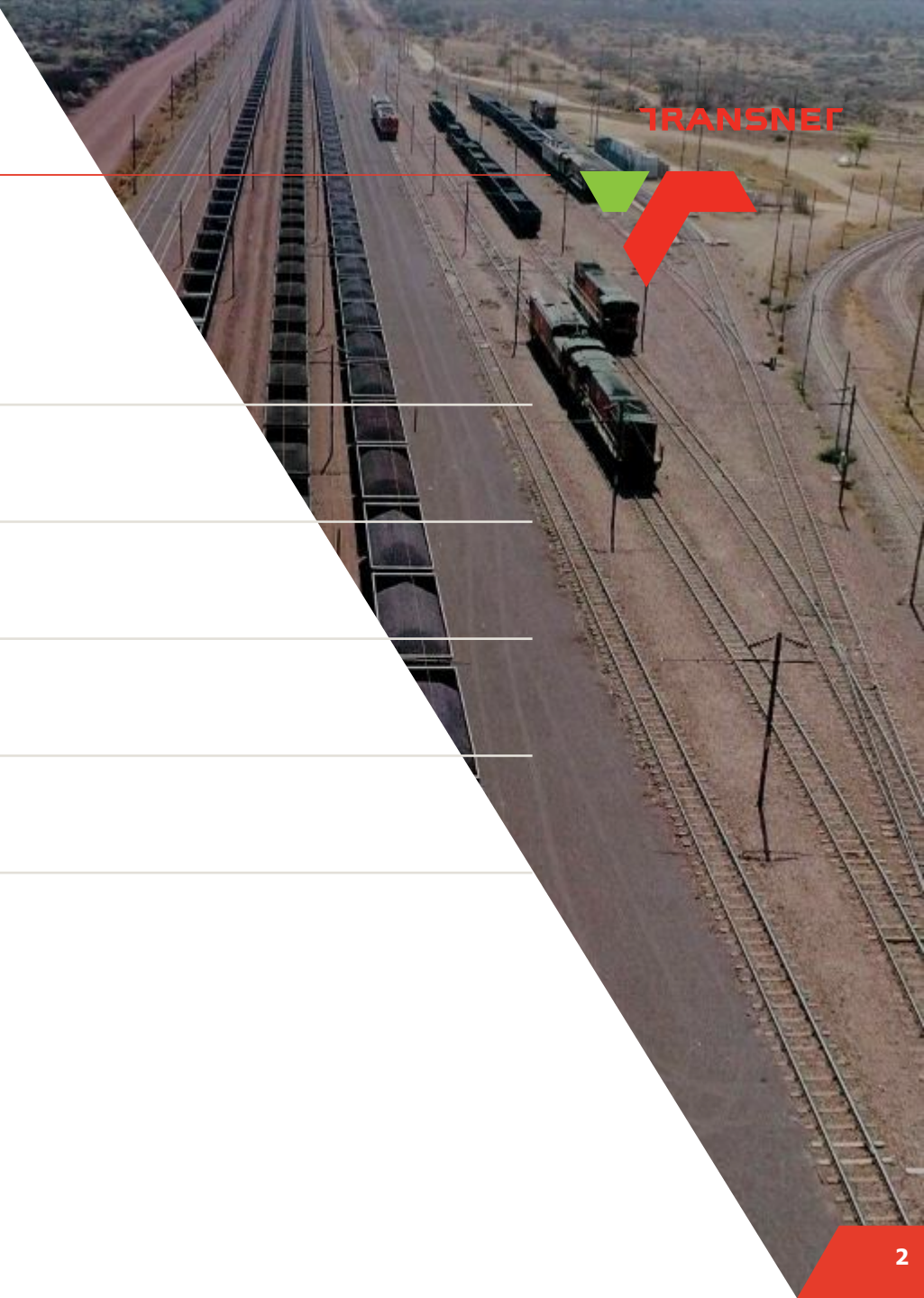
01 Introduction & Welcome

02 Background: TNPA

03 Discussion: Objectives of EoI

04 Next Steps

05 Q & A





INTRODUCTION

- ❑ Ports are essential infrastructure for the economy and provision of public services. It is critical that the ports, ensure continuous services, including enabling alternative energy sources;
- ❑ Expression of Interest (EoI) is for small-to-medium scale Liquefied Natural Gas (LNG) Importation through the Ports of DURBAN, EAST LONDON, MOSSEL BAY, CAPE TOWN AND/OR SALDANHA;
- ❑ The Objective of the EoI, is to position TNPA strategically to provide access to LNG to isolated facilities or end-users;
- ❑ A niche market is intended for the small-to-medium scale LNG supply through an immediate and interim logistic solution; and
- ❑ The market opportunity is supplementary to the earn-marked large scale LNG terminals at the ports of Ngqura, Richards Bay, and Saldanha which focuses on large-scale FSRU/FSU as well land-based infrastructure.

BACKGROUND

TNPA's ROLE



National Ports Act 2005

In terms of Section 11 (1) of the National Ports Act No 12 of 2005, the functions of the Authority are , to own, manage, control, and administer ports to ensure their efficient and economic functioning, and in doing so, the authority must plan, provide, maintain, and improve port infrastructure;

TNPA's role in the transport and logistics industry is amongst others to enable energy transition. In order to enable such energy transition, TNPA has adopted an Oil and Gas Strategy which seeks to:

- ❑ Unlock the natural gas economy and supporting diversification of South Africa's energy mix;
- ❑ Gas as a growth segment within Transnet's energy portfolio; and
- ❑ Leverage existing TNPA assets to partner with public and/or private sector.

National Energy Act 34 of 2008

The National Energy Act aims to ensure that there is security of energy supply for South Africa to meet its goal of economic growth and poverty alleviation, with due consideration to changing environmental requirements.

BACKGROUND

TNPA's LOCATION

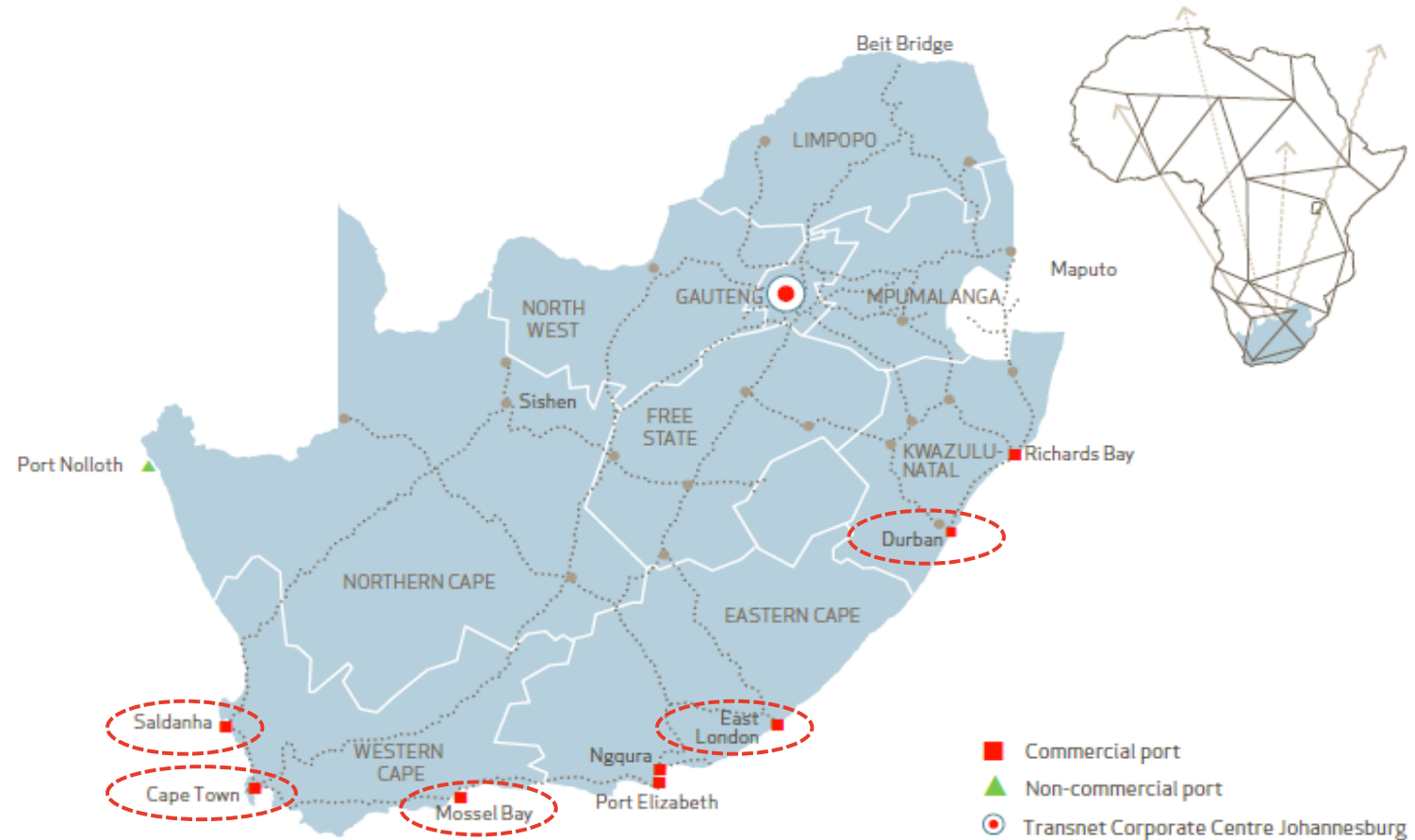


TNPA Overview



Transnet National Ports Authority

- 8 Commercial seaports along 2 798km of coastline
- Plans, provides, maintains and improves port infrastructure
- Provides marine-related services, including dredging, aids to navigation, ship repairs and marine operations





Small to Medium Scale EoI Objects: Gas to Power Station/Industry and Commercial Use

- ❑ This EoI seeks to address the unsolicited market interest shown by industry for small-to-medium scale LNG importation across the ports system;
- ❑ This EoI intends to solicit information on potential small-to-medium scale LNG import including:
 - a) **LNG market size and volumes;**
 - b) **Safety considerations & best industry practices;**
 - c) **Technologies for bringing LNG;**
 - d) **Logistic requirements;** and
- ❑ The current market includes "but not limited to":
 - ❑ eThekweni Municipality which seeks to procure 300 MW through gas to power in KwaZulu-Natal;
 - ❑ Saldanha Bay Municipality for 100 MW;
 - ❑ Eskom peaking power station in Ankerlig and Gourikwa that issued RFPs for LNG supply;
 - ❑ Opportunities in East London and the Port Rex peaking power station;
 - ❑ Decarbonization opportunities; and
 - ❑ Diesel-powered industries, Transportation section and other.

DISCUSSION

EXPRESSION OF INTEREST (EOI) OBJECTIVE



Respondent to note the following:

- TNPA is not prescriptive with regards to the proposed solution. Information to inform subsequent approach to LNG importation in small-to-medium scale off-takes and respondents should therefore submit information to allow TNPA to package the project for the next stage;
- Provide indicative timelines for delivering LNG to their preferred market;
- Any regulatory approvals required;
- Indicative sites/locations per Port have been provided in the Addendum to the EoI; and
- Any requirements for off-shore and on-shore activities should be indicated.

Respondents Profile:

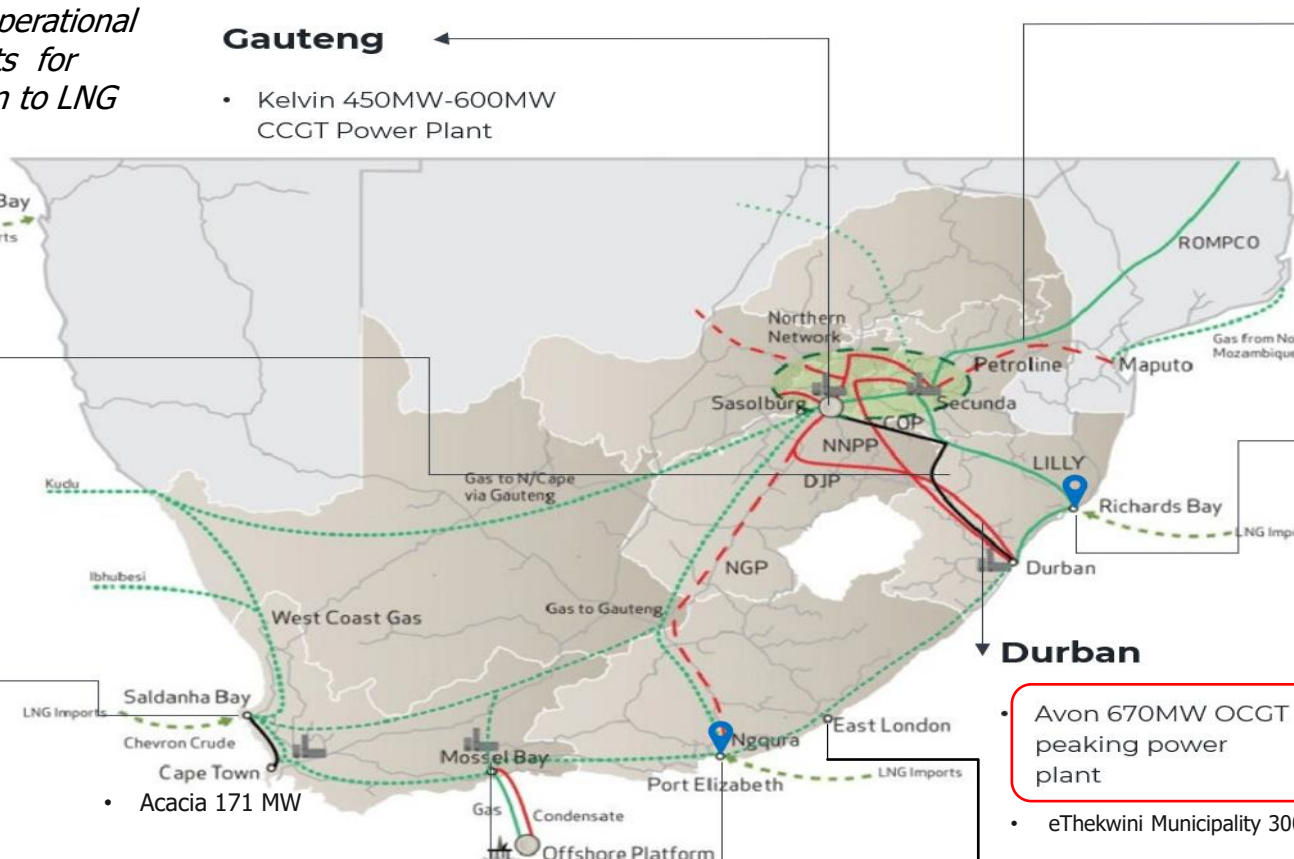
- The name of the Respondent, and its full registration details;
- The name and contact details of the person appointed by the Respondent as its representative in the event that the Project Officer wishes to engage with the Respondent on any aspect of the EoI Response; and
- Company profile detailing the Respondent's experience and track record in handling LNG of the nature outlined in this EoI.

DISCUSSION

POTENTIAL MARKET



Legend *Existing/operational diesel units for conversion to LNG*



Gauteng

- Kelvin 450MW-600MW CCGT Power Plant

Mpumalanga

- Vutomi Energy Komatipoort 1000MW CCGT Power Plant
- DNG Energy Khensani 445MW Gas-to-Power Project in Komatipoort
- DNG Energy Mpenyisi 620MW CCGT in Malelane

Newcastle

- Vutomi Energy 18.5 MW Gas-fired cogeneration. Proposed to increase to 100 MW

Richard's Bay

- Phakwe 2000MW CCGT (RBGP3) Power Plant
- Eskom Richardsbay CCGT Power Plant
- Nseleni 2800MW Independent Floating Power Plant
- Phinda Power 450MW – 2000MW CCGT Power Plant

Saldanha Bay

- Eskom Ankerlig OCGT (1338MW) to CCGT Conversion project

- International Power Consortium SA 1400MW CCGT power plant in/for Saldanha steel.

Mosselbay Bay

- Eskom Gourikwa 740MW OCGT to CCGT Conversion project

Coega

- Dedisa 335MW OCGT Peaking Power Plant (Potential Conversion to CCGT)
- Mulilo Total 200MW Gas Engine Power Plant
- Coega 3 x 1000MW CCGT Power Plant (Zone 10 & 13)

Durban

- Avon 670MW OCGT peaking power plant
- eThekweni Municipality 300 MW

- Port Rex 171 MW

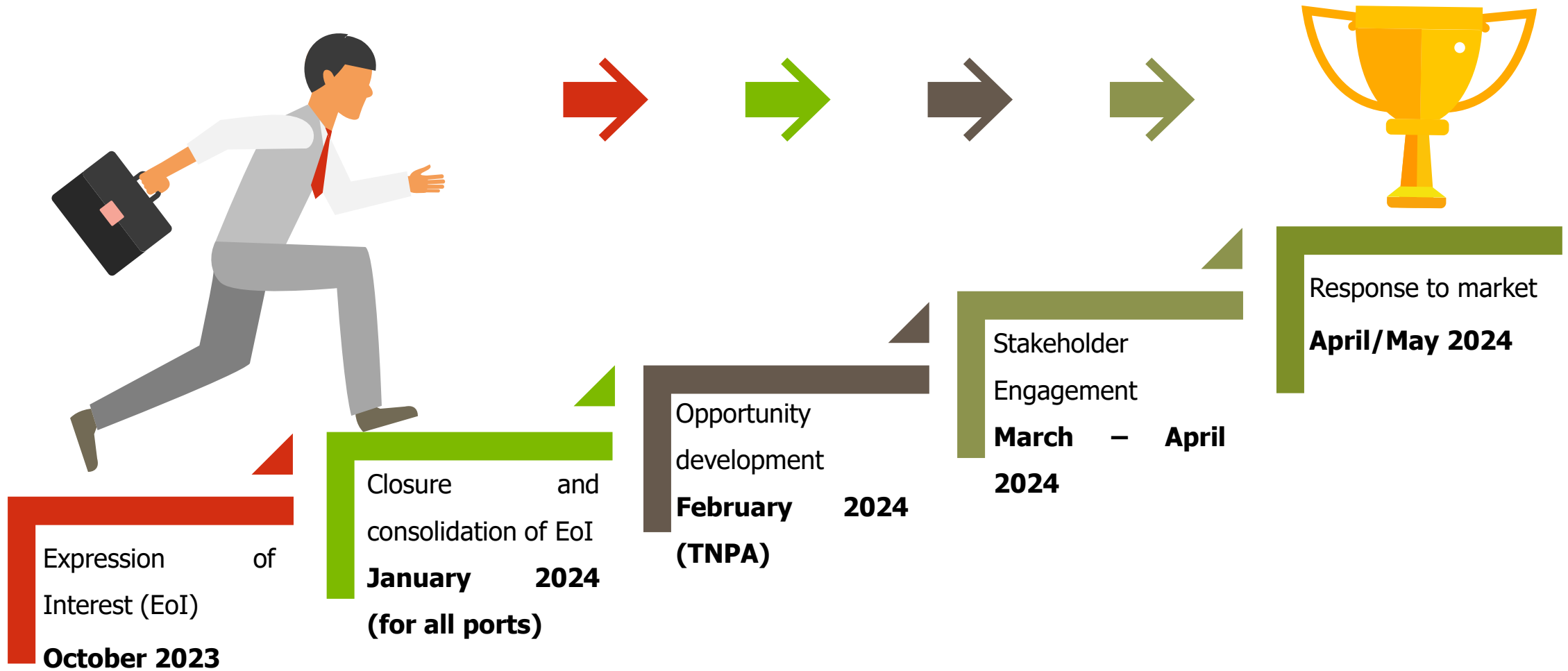
EOI TIMELINES



Activity:	Deadline:
Issue of the EoI	24 October 2023
Non-Compulsory Briefing Session	08 November 2023
Deadline for all questions and requests for clarification	17 November 2023
Submission Closing Date	26 January 2024

All enquiries, queries, and requests for clarification in respect of this EOI must be in writing and addressed to the Project Manager and emailed to SMALLTOMEDIUMSCALELNGEOI@TRANSNET.NET;

NEXT STEPS





Immediate, energy mix and alternative fuel intervention

- Importation and supply of small-to-medium scale LNG to power generation units;
- Enable fuel switching e.g. from Diesel to LNG; and
- Provide access of LNG to industry, transportation sector, factories and other in South Africa.

TRANSNET



delivering freight reliably

THANK YOU

Transnet National Ports Authority

eMendi Building
Port of Ngqura
6100

