Template

Proposal Content Document

Table 1: General proposal content description

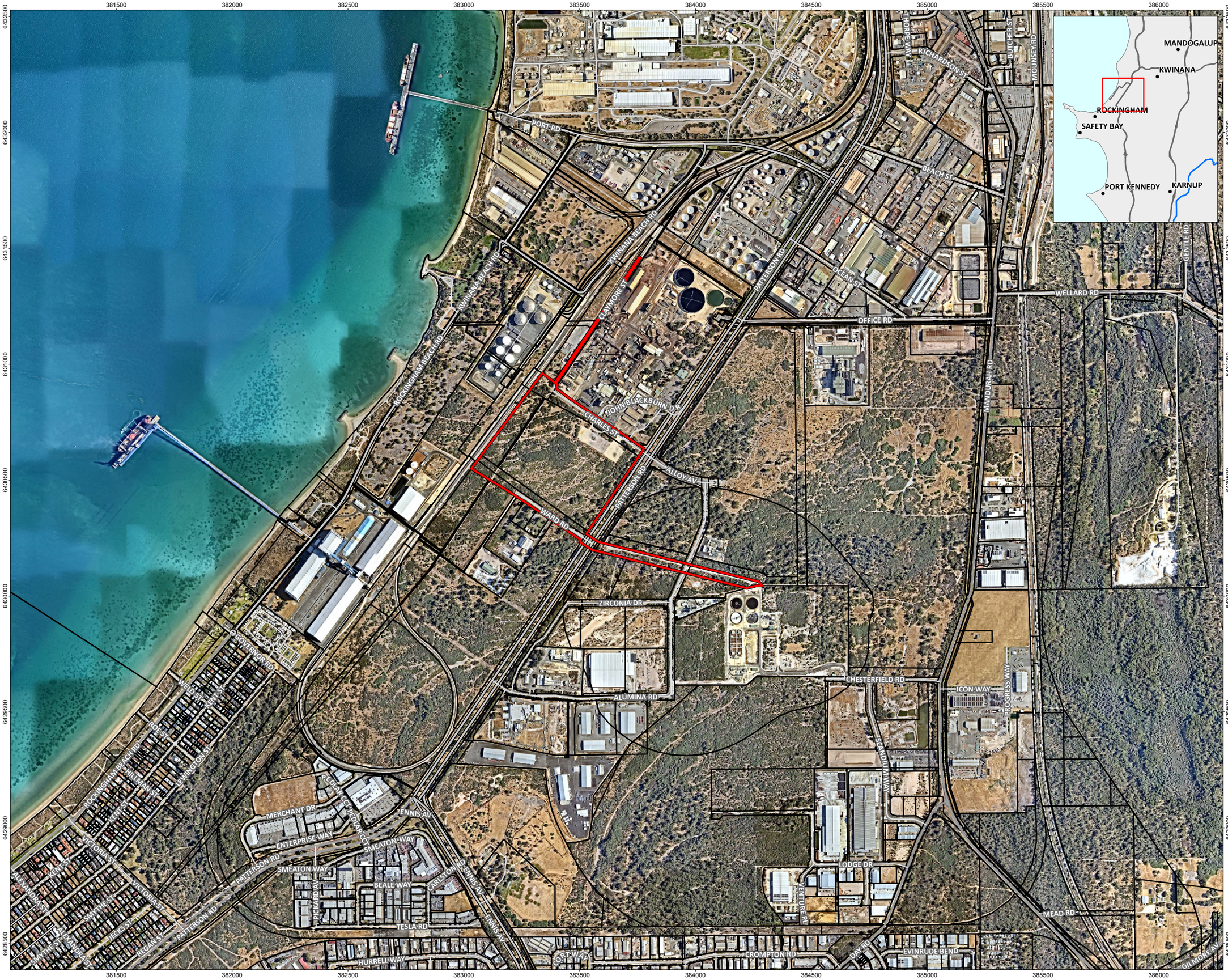
Proposal title	Project NeoSmelt
Proponent name	BlueScope Future Technologies Pty Ltd
Short description	The Proposal is to develop a research and development pilot plant that will combine Direct Reduced Iron (DRI) technology with Electric Smelting Furnace (ESF) capability to manufacture lower-emissions iron (relative to a blast furnace) from Pilbara iron ores. The Proposal is located on Patterson Road in the Western Trade Coast, approximately 35 km south of Perth (Figure 1). The Proposal is targeted to have the capacity to produce approximately 49,000 tonnes of iron per year.

Table 2: Proposal content elements

Proposal element	Location / description	Maximum extent, capacity or range
Physical elements		
Materials handling including materials receival and storage	Figure 2	21.4 ha of disturbance within a 30.5 development envelope
Direct Reduction Plant		
Feed storage, preparation and mixing batch plant		
Electric Smelting Furnace		
Product storage for slag and pig iron		
Non-process infrastructure, including but not limited to laboratory, road drainage, external road interfaces buildings and administrative areas		
Utilities connections and distribution (overhead and underground), including but not limited to process water, process effluent, electricity, hydrogen and natural gas		

Construction elements		
Laydown for construction and parking	N/A	Within 30.5 ha development envelope
Transportation of modules		
Operational elements		
Iron ore pellet storage	Figure 2	Design capacity 30,000 tonnes
Cold Direct Reduced Iron (CDRI) storage		Design capacity 15,000 tonnes
Direct Reduction Plant (DRP)		Design capacity 69,000 tonnes of Cold Direct Reduced Iron (CDRI) per annum
Electric Smelting Furnace (ESF)		Design capacity 49,000 tonnes of iron per annum
Process effluent		Design discharge 5 kL per hour
Proposal elements with greenhouse gas emissions		
Construction elements:		
Scope 1	Approximately 600 tCO_2-e due to vegetation clearing and fuel emissions	
Scope 2	None	
Operation elements:		
Scope 1	Approximately 49,000 tCO_2-e per annum Approximately 242,000 tCO_2-e over five year operational phase	
Scope 2	Approximately 36,000 tCO_2-e per year	
Scope 3	Estimated 139,000 tCO_2-e per year	
Rehabilitation		
Not applicable		
Commissioning		
Not applicable		
Decommissioning		
At the end of the operations phase, all process related infrastructure associated with the Proposal will be removed. Some non-process related infrastructure may remain depending on future industrial land use requirements.		

Other elements which affect extent of effects on the environment		
Proposal time	Maximum project life	Estimated 10 years
	Construction phase	3 years
	Operations phase	Estimated 5 years with option for extension
	Decommissioning phase	2 years



Legend

- Development Envelope
- Cadastral boundary (LGATE-002)
- Highway
- Major road
- Minor road
- Track

JBS&G

Job No: 6892903	
Client: BlueScope Future Industries Pty Ltd	
Version: A	Date: 29-Apr-2026
Drawn By: droberts	
Checked By: JBailes	
Scale 1:15,000 at A3	

0 250 500
metres

Coord. Sys. GDA2020 MGA Zone 50

Project NeoSmelt, East Rockingham WA 6168

REGIONAL LOCATION

FIGURE 1

File Name: C:\Users\droberts\JBS&G Australia\DCS - Internal - V2\Projects\Bluescope\68929 Neosmelt\GIS\02_MapProjects\6892903_ProjectNeosmelt_s38_R02.aprx
Image Reference: www.nearmap.com© - Imagery Date: 21. January 2025.
Layout: 6892903_A3L_01_01_Regional location

382600 382800 383000 383200 383400 383600 383800 384000 384200 384400 384600

6431400 6431200 6431000 6430800 6430600 6430400 6430200 6430000

KWINANA BEACH RD
ROCKINGHAM BEACH RD
CLAYMORE ST
OCEAN ST
OFFICE RD
JOHN BLACKBURN DR
PATTERSON RD
CHARLES ST
ALLOY AV
ALUMINA RD
WARD RD
ZIRCONIA DR

L9008
L109
L503

Legend

- Development Envelope
- Cadastral boundary (LGATE-002)
- Indicative Disturbance Footprint
- Eco-cultural Buffer Zone (ECBZ)
- Highway
- Minor road

JBS&G

Job No: 6892903	
Client: BlueScope Future Industries Pty Ltd	
Version: A	Date: 30-Apr-2026
Drawn By: droberts	
Checked By: JBailes	

Scale 1:6,000 at A3

0 100 200
metres

Coord. Sys. GDA2020 MGA Zone 50

Project NeoSmelt, East Rockingham WA 6168

THE PROPOSAL

FIGURE 2

File Name: C:\Users\droberts\JBS&G Australia\DCS - Internal - V2\Projects\Bluescope\68929 Neosmelt\GIS\02_MapProjects\6892903_ProjectNeosmelt_s38_R02.aprx
Image Reference: www.nearmap.com© - Imagery Date: 21. January 2025.
Layout: 6892903_A3L_01_03_The Proposal