



(ASX:ABX)

Delivering Materials for a Cleaner Future

Noosa Mining Investor Conference

Peppers Noosa Resort – Wednesday 17 July, 4:00pm AEST

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17 July 2024



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Prices for aluminium fluoride (AlF₃) were sourced from Asian Metals, China Customs and verified by comparison with prices from Bloomberg. The price actually achieved will depend upon market conditions at the time of sale.

Competent Person Statement

The information in this report that relate to Exploration Information and Mineral Resources are based on information compiled by Ian Levy who is a member of The Australasian Institute of Mining and Metallurgy and the Australian Institute of Geoscientists. Mr Levy is a qualified geologist and a director of ABx Group Limited.

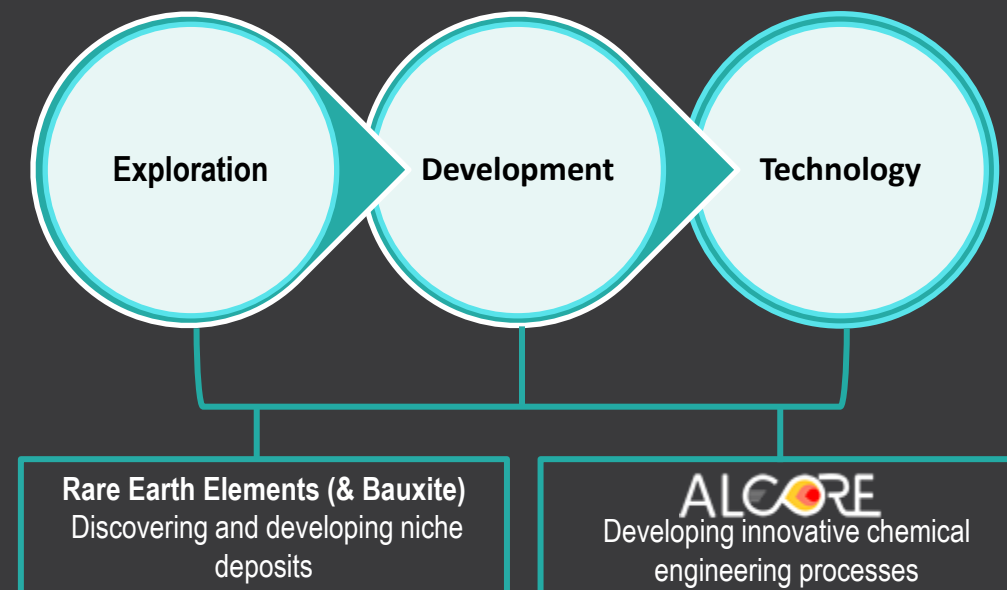
Mr Levy has sufficient experience, which is relevant to the style of mineralisation and type of deposit under consideration and to the activity, which he is undertaking to qualify as a Competent Person as defined in the 2012 Edition of the Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves. Mr Levy has consented in writing to the inclusion in this report of the Exploration Information in the form and context in which it appears.

Delivering materials for a cleaner future

- Creation of an ionic adsorption clay rare earth project in northern Tasmania
- Establishment of a plant to produce hydrogen fluoride and aluminium fluoride from recycled industrial waste, to replace imports (ALCORE)

Legacy business

- Mining and enhancing bauxite resources for cement, aluminium and fertiliser production



Businesses



Ionic adsorption clay rare earths

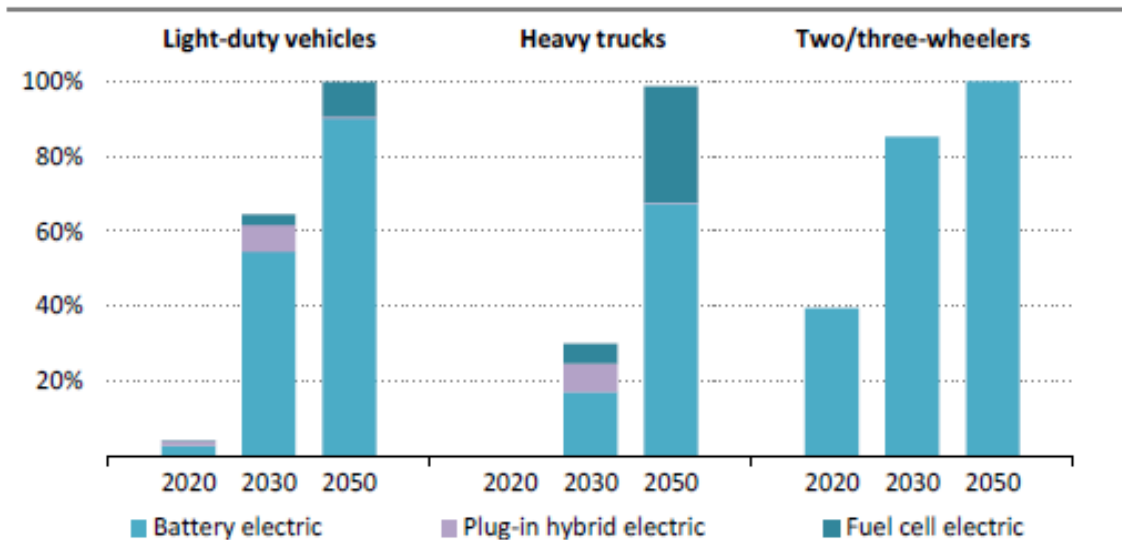


Recycling fluorine waste

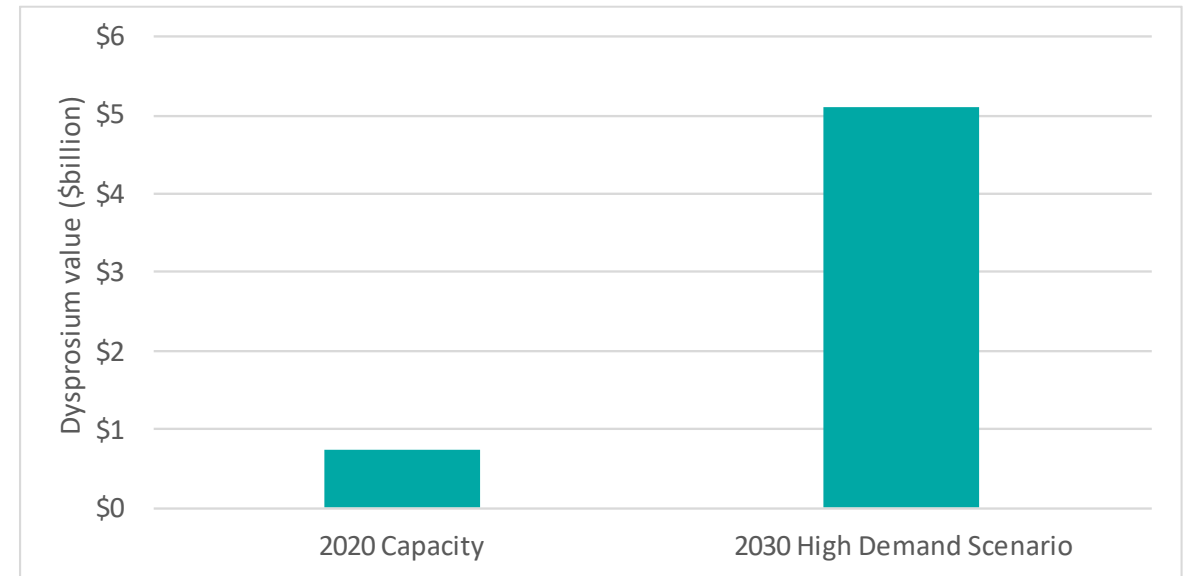
ALCORE

Why you should invest in rare earth production

Massive demand growth



Source: International Energy Agency, Net Zero by 2050, 2021



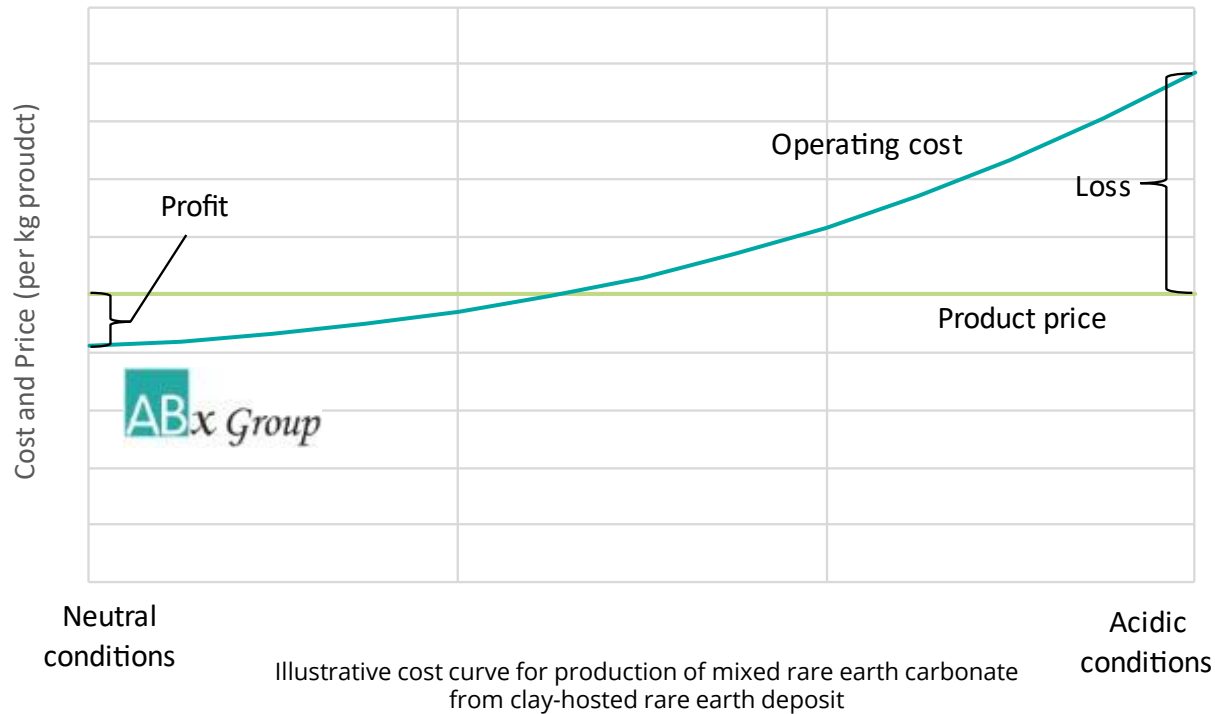
Sources: US DoE, Critical Minerals Assessment, 2023; Ginger International Trade & Investment

Electric vehicles will become dominant very soon

Dysprosium has the most acute supply risk

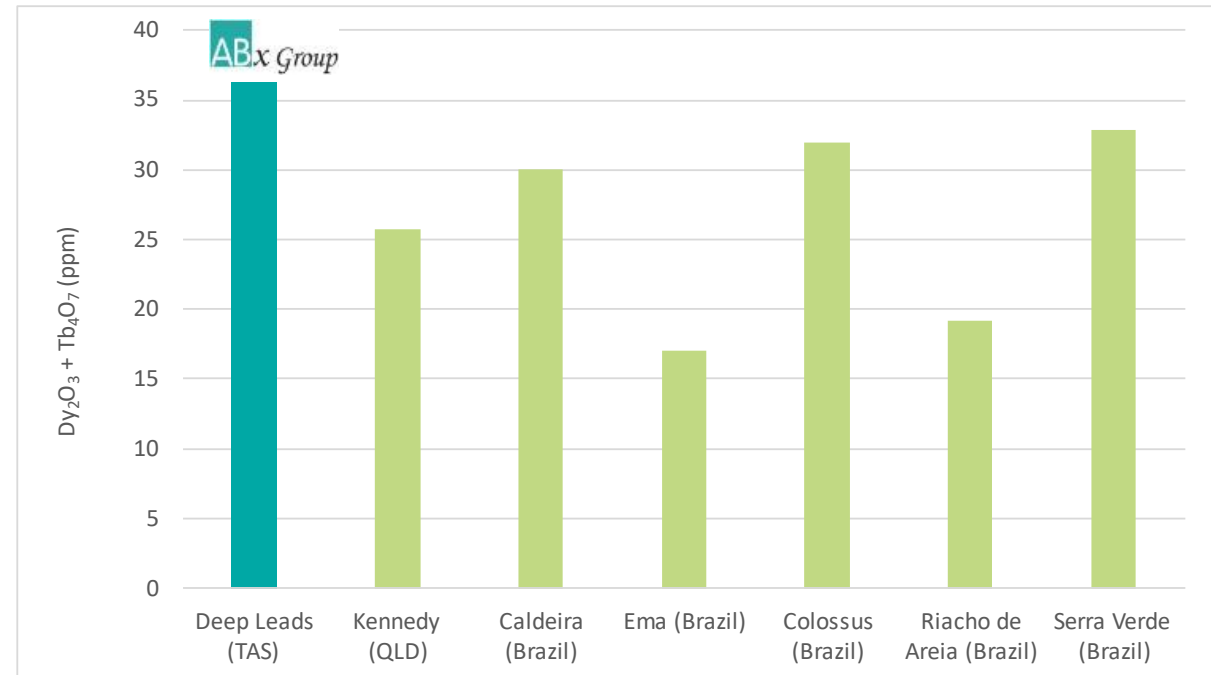
Why you should invest in ABx rare earth production

Metallurgy



Only ionic clay rare earth deposits can be extracted under neutral conditions

Grade

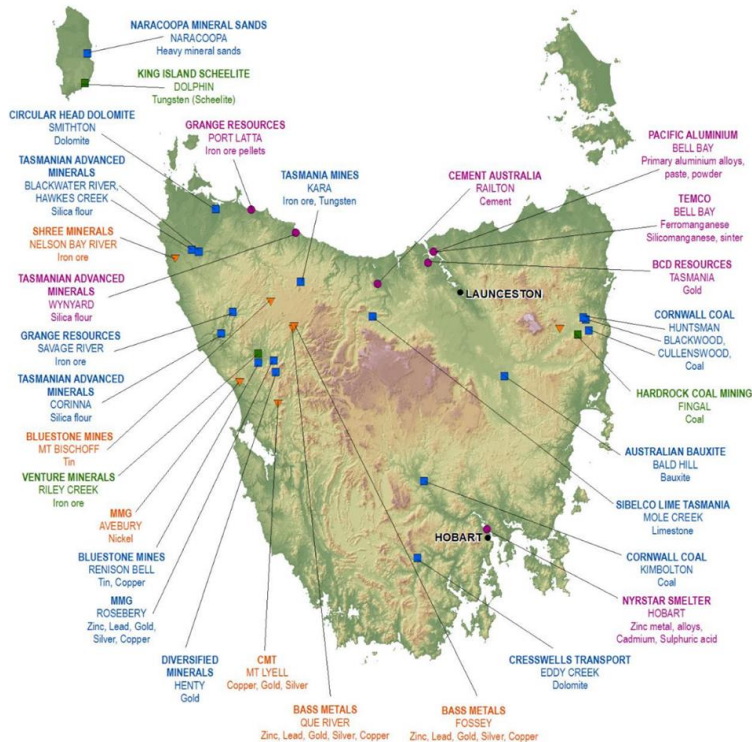


Sources: Company announcements and presentations

Dy and Tb are the most valuable rare earths

Why you should invest in ABx rare earth production

Location



Recently harvested hardwood plantation, close to Launceston and Bell Bay port

Australian supply highly attractive to global customers

Businesses



Ionic adsorption clay rare earths

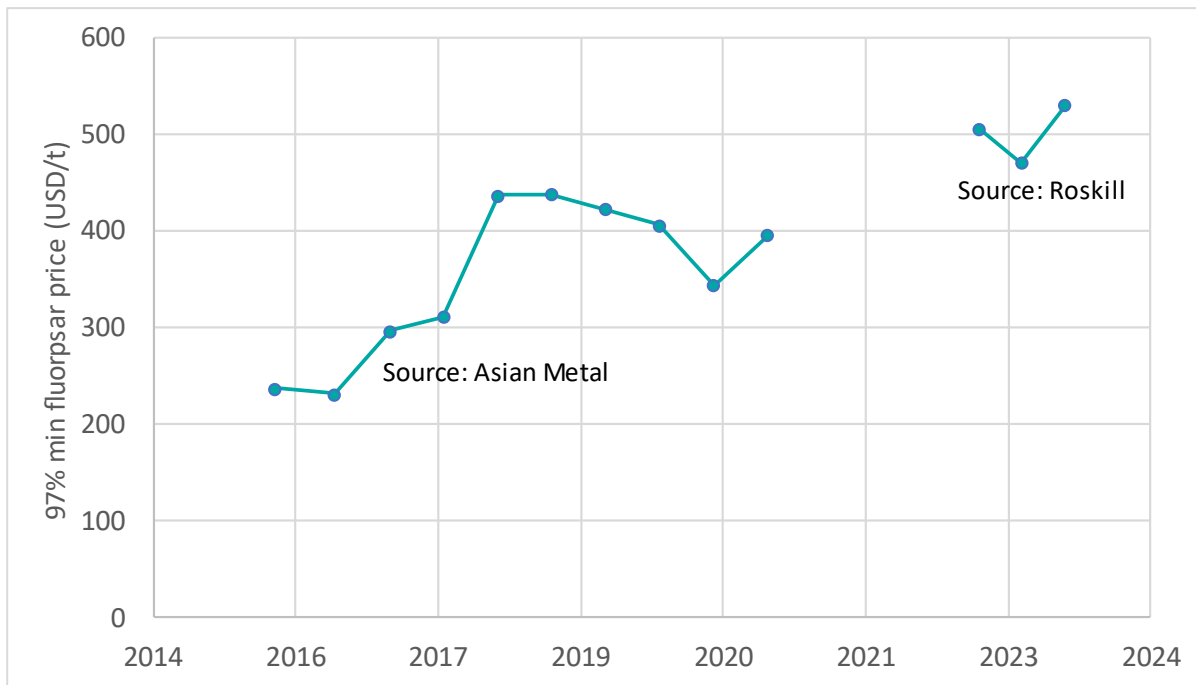


Recycling fluorine waste

ALCORE

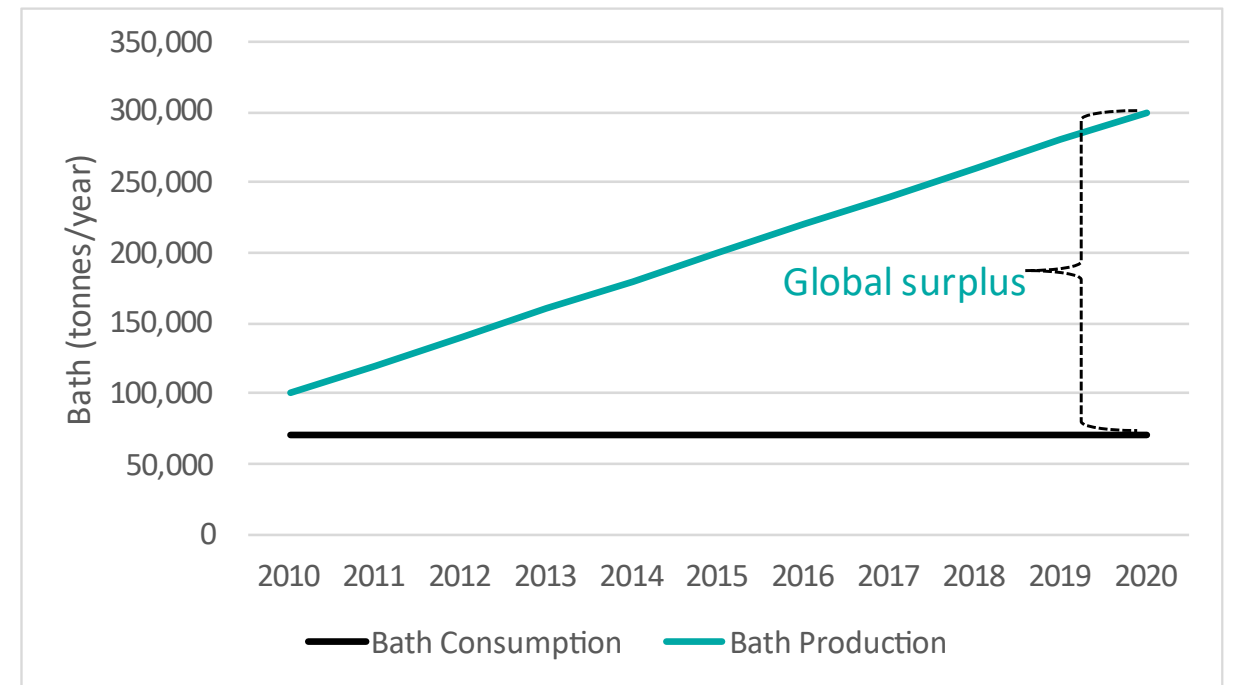
Why you should invest in fluorine recycling

Increasing fluorspar prices



Fluorspar is the main source of fluorine, and there are limited new resources

New source of fluorine waste

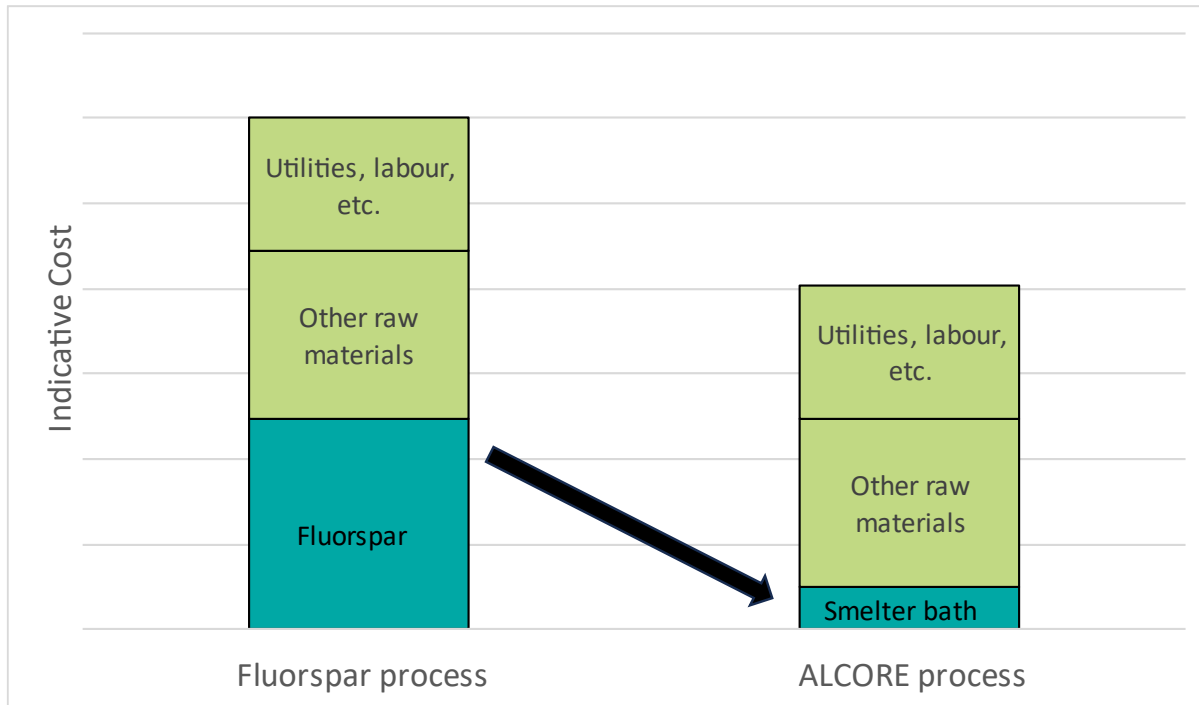


Source: S.J. Lindsay, Bath generation and management, 10th Australasian Aluminium Smelting Technology Conference, 2011

Increasing surplus of 'aluminium smelter bath'

Why you should invest in ABx fluorine recycling

Based on similar existing process



Replace high-cost fluorspar with low-cost smelter bath in production of hydrogen fluoride

First mover advantage



At pilot stage, supported by \$7.6m grant from Australian government

Why you should invest in ABx

Team

1. Diverse backgrounds
2. Objective is to create businesses



Paul Lennon
Chair



Dr Mark Cooksey
Managing Director



Ian Levy
Non-Executive Director



Joycelyn Morton
Non-Executive Director



Dr Xiao Liang
Principal Engineer



Dr Daniel Jewell
Principal Engineer



Nathan Towns
Operations Manager



Vishva Patel
Process Engineer



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