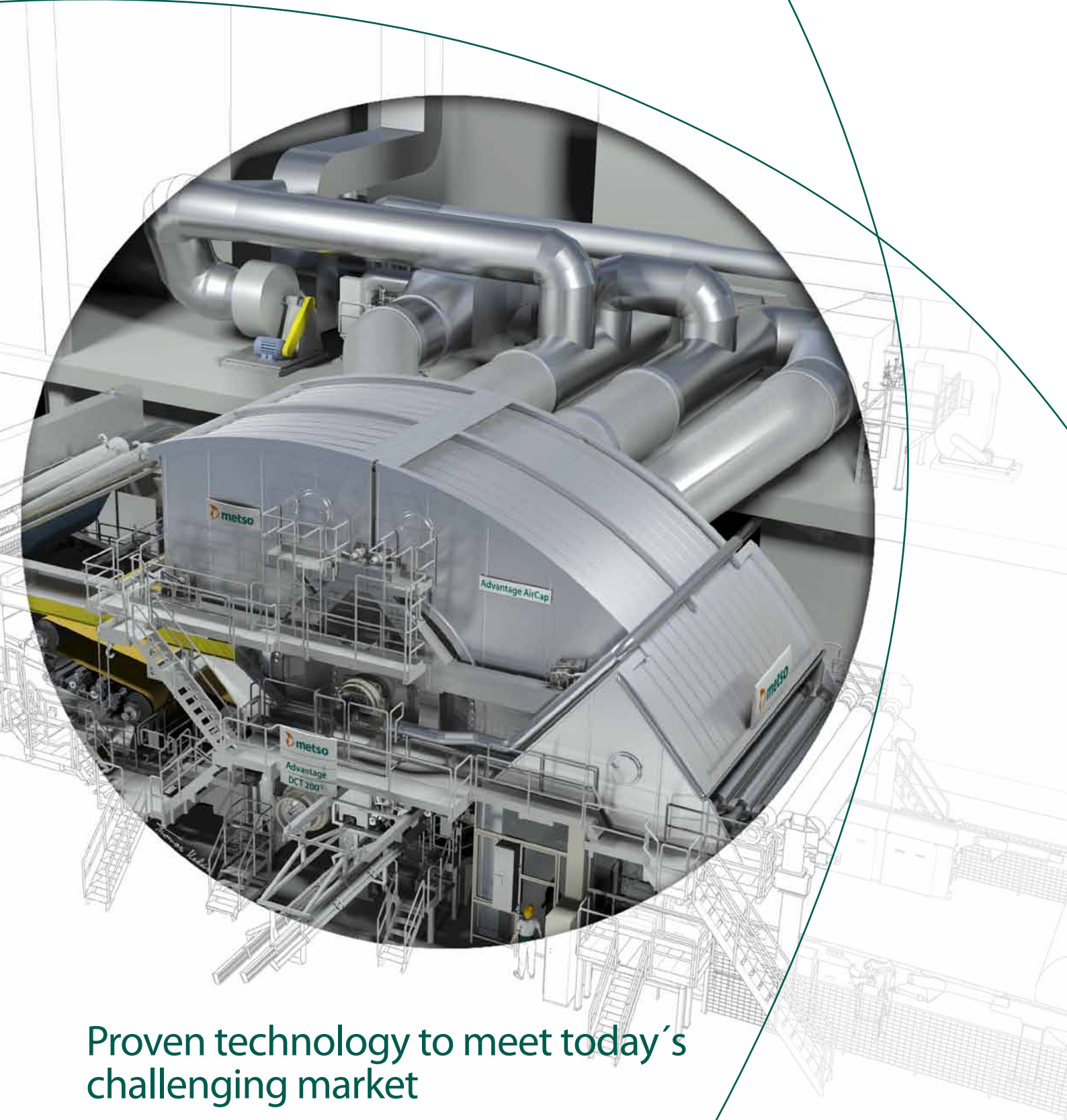


State of the art technology for the tissue drying process

Advantage™ AirCap™



Proven technology to meet today's
challenging market

Proven technology to meet today's challenging market

When investments are strongly driven by the need to be more competitive, improve product quality, while being environmentally responsible, Metso Advantage AirCap (AAC) is the answer.

We offer you our 50-year experience with more than 500 Yankee hoods successfully delivered worldwide, as well as our continuous research and product development - for instance at the Pilot Plant facilities of the Tissue Technology Center in Sweden - based on the latest energy, environmental and customer requirements.

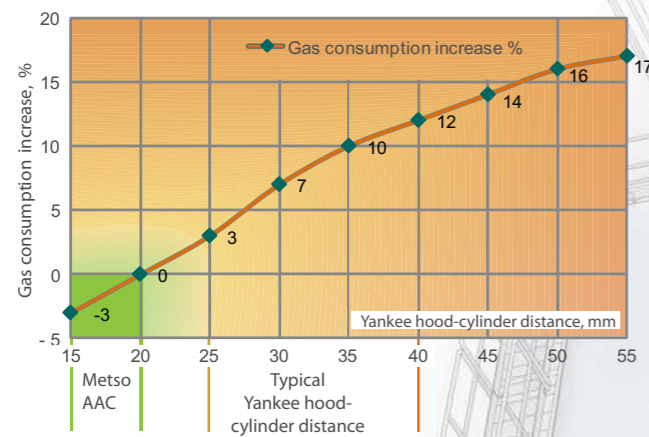
Drying and energy efficiency

- Well proven construction to optimise the distance between hood and cylinder on the whole AirCap wrap at all operating temperatures
- Yankee hood to cylinder distance can be set from 20 mm down to 15 mm
- Controlled thermal expansion for the longest life cycle of equipment in the industry

Air system

- Dimensioned and designed to optimise energy efficiency and reduce emissions to the atmosphere
- Natural gas, LPG, steam, diesel oil and dual fuel burners, as well as steam and diathermic oil heated systems
- Heat recovery systems for:
 - steam generation
 - combustion and make-up air
 - room ventilation
 - fresh and process water for the best utilisation of exhaust air energy
- Possibility to utilise co-generation (CHP) exhaust gases

Correlation between gas consumption increase and Yankee hood-cylinder distance



Washable AirCap roof

- Automatic washing system to remove dust from the hood roof, thus preventing the risk of fires
- Provides a healthier and safer working environment
- Reduces downtime needed for cleaning and maintenance
- Can be integrated with the Dry End Dust Cap washable roof of the Advantage WetDust system

Metso Advantage AirCap - High Temperature (AAC-HT)

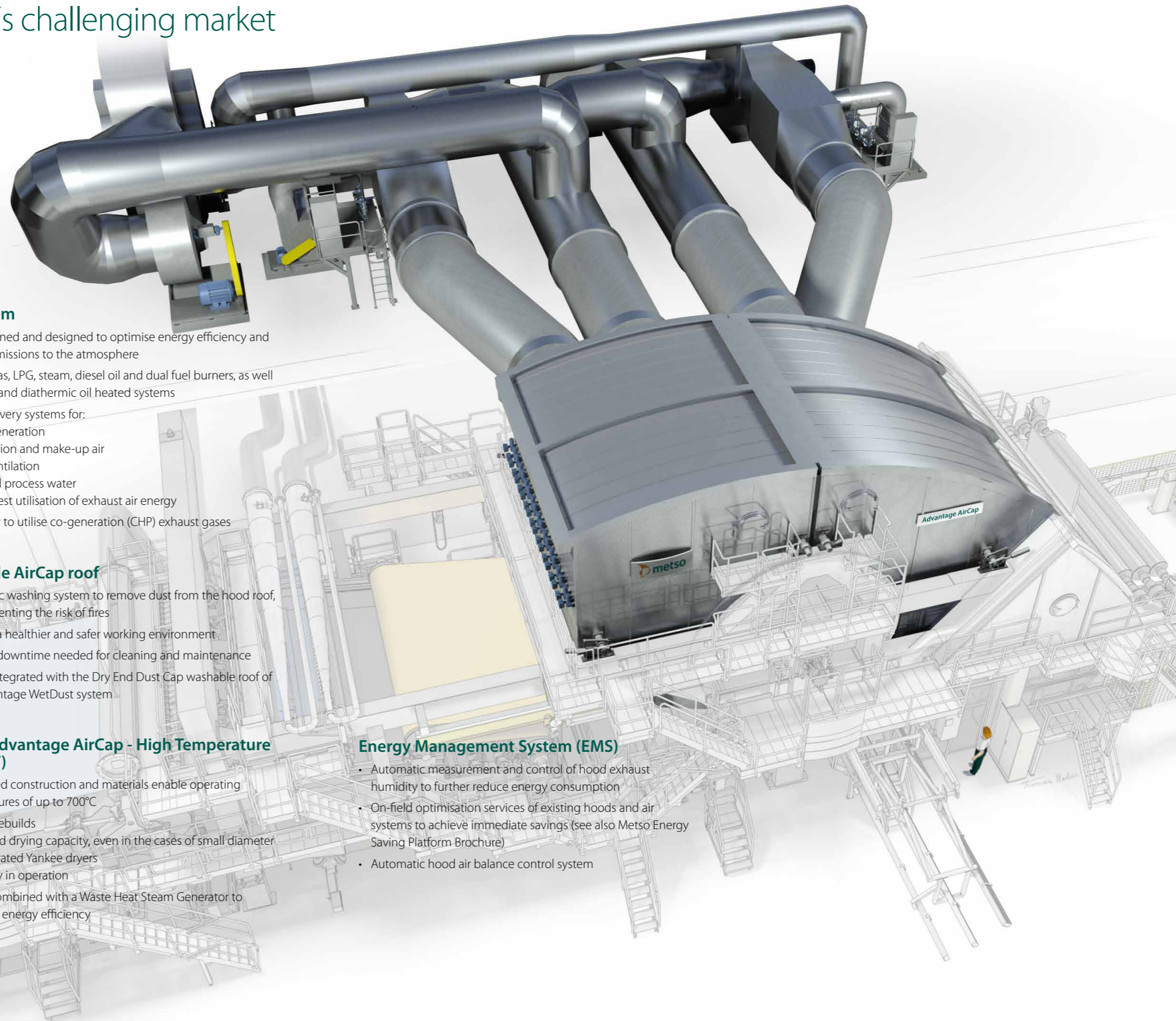
- Specialized construction and materials enable operating temperatures of up to 700°C
- Ideal for rebuilds
 - increased drying capacity, even in the cases of small diameter and de-rated Yankee dryers
 - flexibility in operation
- Can be combined with a Waste Heat Steam Generator to maximise energy efficiency

Energy Management System (EMS)

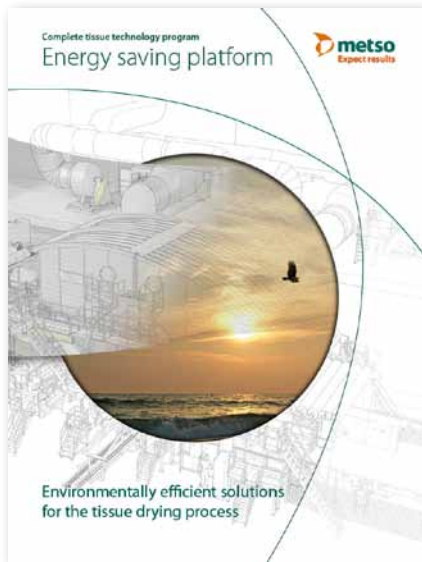
- Automatic measurement and control of hood exhaust humidity to further reduce energy consumption
- On-field optimisation services of existing hoods and air systems to achieve immediate savings (see also Metso Energy Saving Platform Brochure)
- Automatic hood air balance control system

Profiling

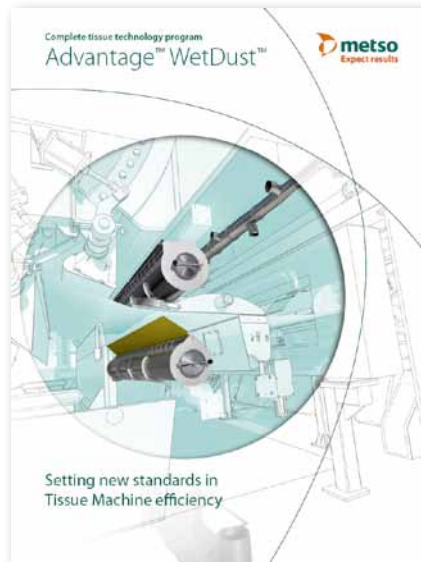
- Effective moisture profile regulation on the Wet End
- Additional profiling zones on the Dry End edges to control overdrying
- Manual or actuator controlled profiling zones



See also...



Energy saving platform



Advantage™ WetDust™



Advantage™ Run™

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