



SEPRO FINE INCINERATOR BOTTOM ASH TREATMENT PLANT

APPLICATIONS

- Precious and base metals recovery from fine incinerator bottom ash

KEY ADVANTAGES

- Pioneering fine IBA treatment (0 – 2 mm) with industry standard Falcon centrifugal concentrators optimised for IBA
- Possible adaptation to dry or wet IBA treatment plants
- Recovery of precious metals (Au, Ag, PGM) and heavy metals (Cu, Pb, Zn)
- High grade concentrates
- Low concentrate mass
- Concentrates for direct sale or further upgrading
- Minimized heavy metals content in rejects
- Fresh IBA and aged IBA can be treated by wet process
- Compact and modular plant design, pre-assembled
- 0 – 2 mm feed particle size
- Available in 10 t/h and 20 t/h fines capacity per module
- Feed protection screen removes oversize
- Low intensity magnetic separator produces Fe product
- Falcon centrifugal concentrator produces precious metal concentrate
- Full automation
- Built to European or North American standards

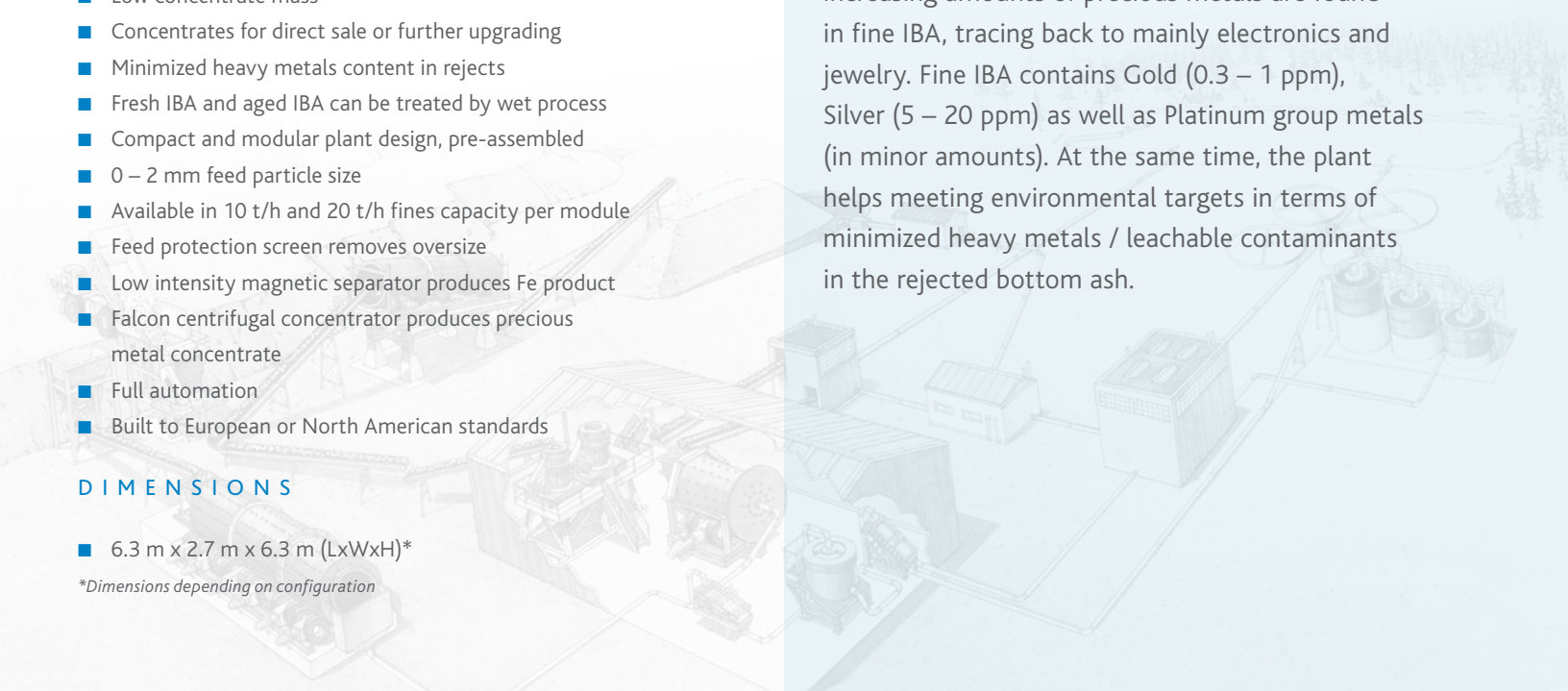
DIMENSIONS

- 6.3 m x 2.7 m x 6.3 m (LxWxH)*

*Dimensions depending on configuration

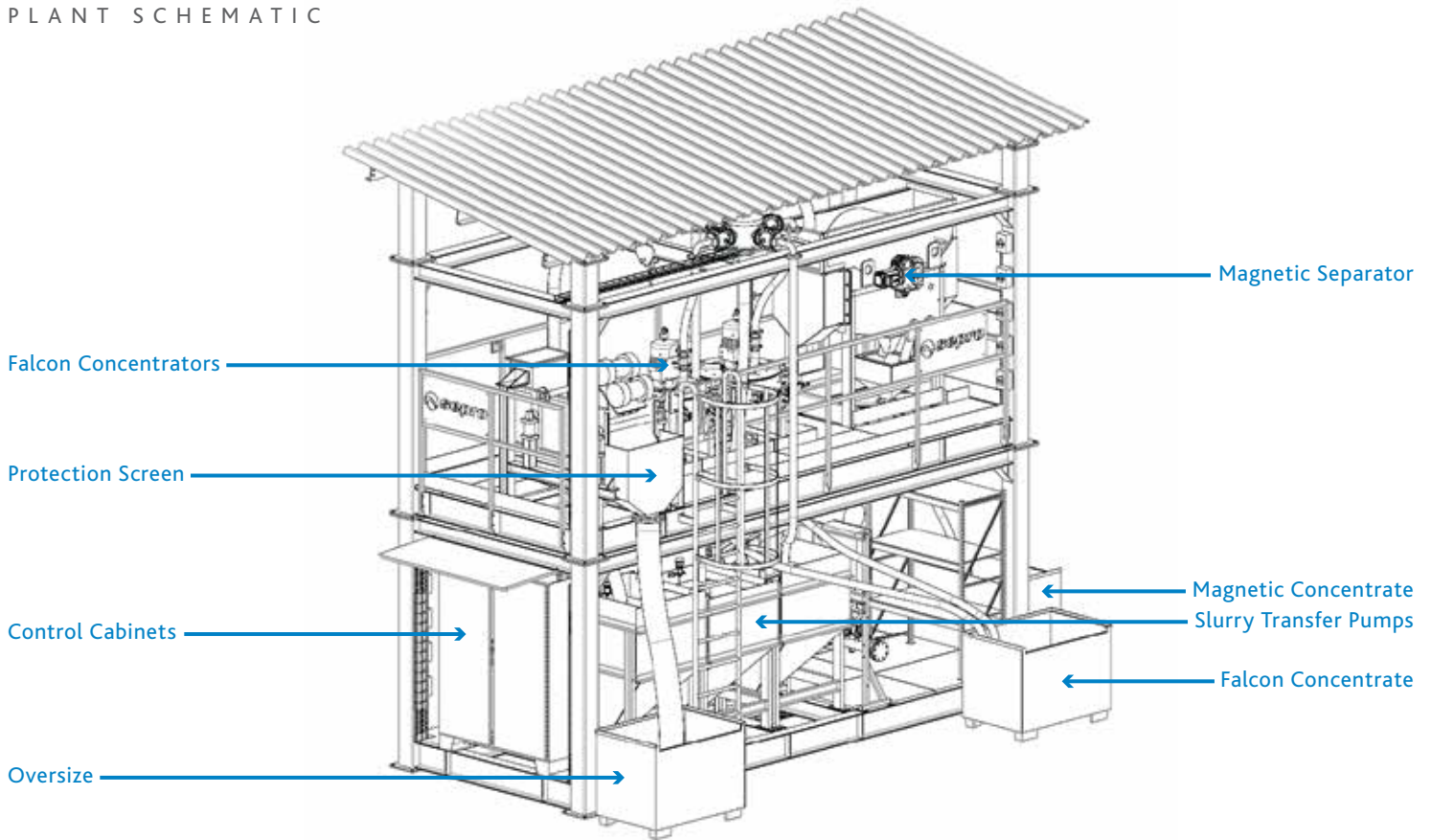
Modern **Incinerator Bottom Ash (IBA)** processing facilities are targeting the recovery of metals from coarse (+2 mm or coarser) fractions, with Ferrous, Aluminum, Copper, Stainless Steel and Zinc being the main contributors. Valuable metals in the fine particle sizes (0 – 2 mm) were previously considered unrecoverable.

Sepro's pioneering **Fine Slag Treatment Plant** module can now add a precious metals dimension. With today's first world throw-away societies, increasing amounts of precious metals are found in fine IBA, tracing back to mainly electronics and jewelry. Fine IBA contains Gold (0.3 – 1 ppm), Silver (5 – 20 ppm) as well as Platinum group metals (in minor amounts). At the same time, the plant helps meeting environmental targets in terms of minimized heavy metals / leachable contaminants in the rejected bottom ash.

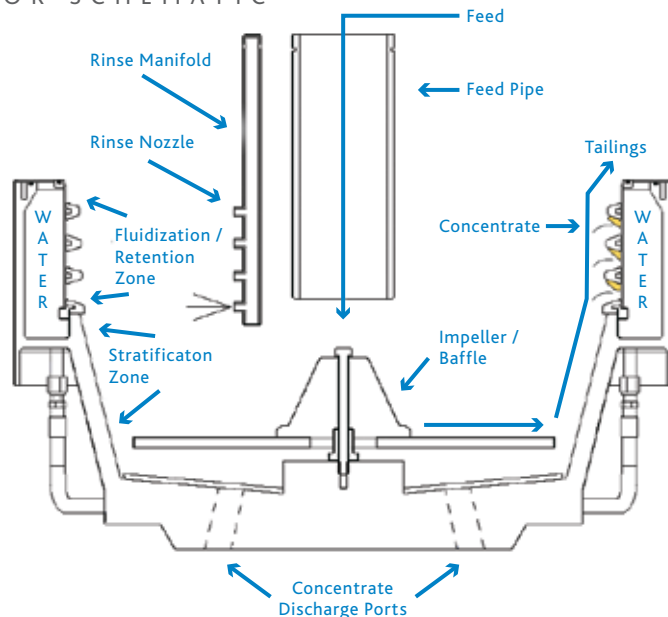


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PLANT SCHEMATIC



FALCON CONCENTRATOR SCHEMATIC



Sepro Mineral Systems Corp.
 9850 201 Street, Langley, British Columbia, Canada V1M 4A3
 Office: +[1] 604.888.5568 • Fax: +[1] 604.888.5521 • Toll free: +[1] 800.990.5568 North America
 sepro@seprosystems.com • www.seprosystems.com