

S Y N O P S I S

P.T. Krakatau Steel is constructing an HyL direct reduction plant designed to produce 2 Mt (Fe) of direct reduced iron. A portion of the DRI will be used in an adjacent electric furnace plant; the remainder will be sold.

The HyL Process produces a highly stable DRI which does not require passivating before shipping. Rules for handling and storage mainly involve keeping the DRI cool and dry.

At Krakatau, several handling and storage systems are being installed. DRI product will be fed to either of two intermediate storage buildings, one serving the electric furnace plant and the second serving a third and large building which stores the DRI to be sold. The second building will also serve a future second melt shop. A conveyor system from the third building will transport DRI to the harbor area for final screening and ship loading, and another system will transport DRI from the first building to bins in the electric furnace plant.

The handling and storage systems which can be used at other plants on receipt of DRI from Krakatau are briefly described, as is the combined batch/continuous feed melting practice Krakatau Steel intends to use.