## Adding value to the air separation by cryogenic distillation

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**Abstract** The author propose a revamp in a nitrogen- oxygen plant for cryogenic air separation. The double-column existing system is improved for recovering supplementary oxygen which otherwise is waste in a large purge. There are two variants, one involving the column itself and the other involving no influence on the distillation process. An increasing up to 13% of the oxygen output results. The technical proposal was checked by design calculus.

Keywords: cryogenic process, air separation.