

A method for revamping a plant for the synthesis of ammonia, wherein the plant comprises a front-end section for production of a make-up gas (1), a compressor (3) for bringing the make-up gas to a synthesis pressure, and a synthesis section (2) to produce ammonia product gas, said plant also comprising at least one vapour-compression refrigerator (15, 21) for condensing the product gas or for cooling the make-up gas, the method providing the additional installation of at least one heat exchanger (40, 41) which is arranged upstream said at least one refrigerator (15, 21) and transfers heat from said product gas or make-up gas to a cooling medium (43, 45), and the installation of an absorption refrigerator (42) of said cooling medium.