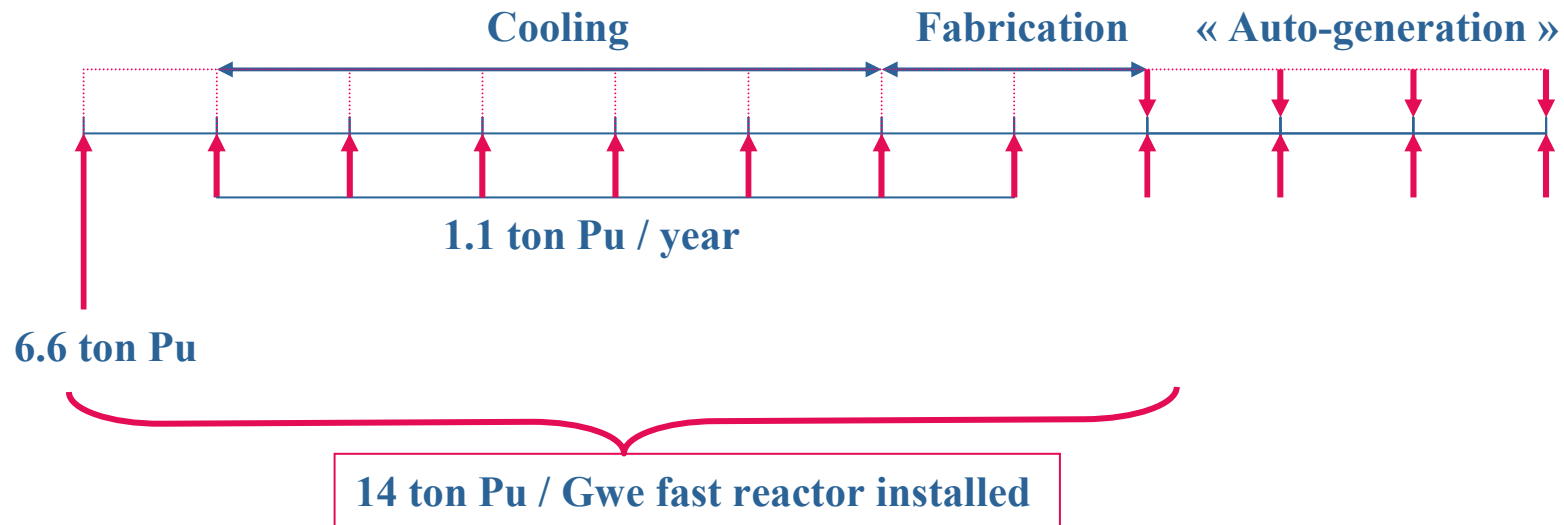


# Evaluation of plutonium amount necessary to start a GEN IV fast breeder reactor

The starting of 1 GenerationIV fast reactor of 1GWe will necessitate approximately 14 t Pu<sub>total</sub> (10 t Pu<sub>equivalent239</sub>), based on sodium cooled fast reactor SFR



Overall spent fuel Pu inventory necessary to start Gen4 fast reactors system:

for 30 Gwe :  $30 * 14 = 420 \text{ t}$

for 60 Gwe :  $60 * 14 = 840 \text{ t}$