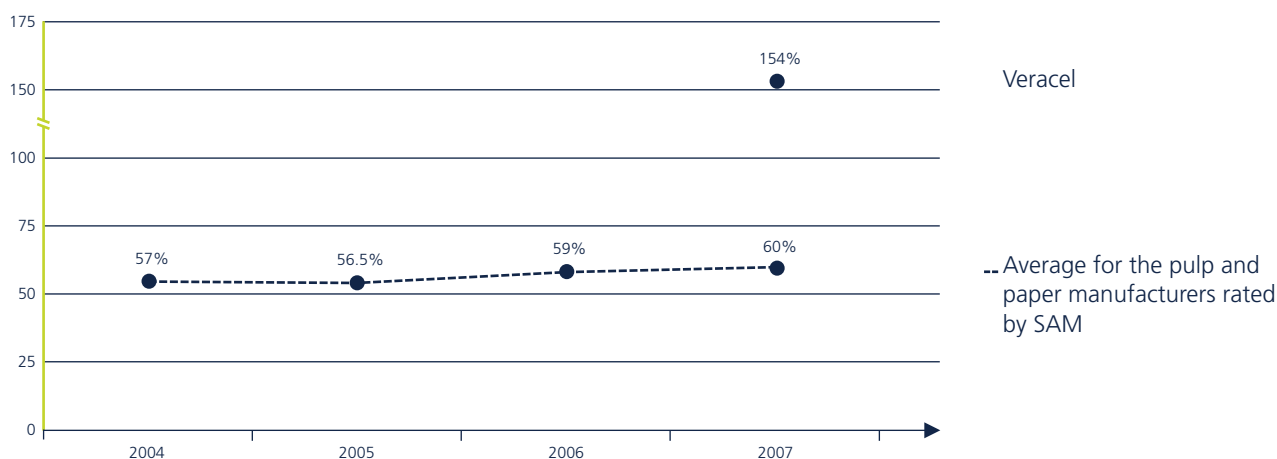


Sustainability trend in the pulp and paper industry:

The most efficient manufacturers produce more energy than they actually consume

DEGREE OF ENERGY SELF-SUFFICIENCY FOR PULP AND PAPER MANUFACTURERS
(in %)



Source: SAM

The manufacture of pulp and paper is very energy intensive. Investments are now under way to improve energy efficiency. The results are certainly impressive: the most efficient pulp and paper manufacturers, such as the company Veracel, now produce more energy than they actually require for manufacturing their products. By selling off their surplus energy, these self-sufficient companies can tap into a welcome source of additional revenue. The average energy self-sufficiency of the companies analyzed by SAM, however, is far lower than

the industry leaders (see chart). At the moment, they still consume far more energy during production than they generate. But this is set to change in future: SAM expects more and more companies in the pulp and paper industry to become self-sufficient in their energy requirements by recycling heat (cogeneration), not only improving their profitability in the process, but also helping to protect the environment.

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