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### **Designing for a Low Environmental Impact 300 mm Fab.**

Learning from its six years of prior fab operations in Dresden, Germany, and from the experience of its fab construction partner, M+W Zander, AMD is building in efficiency into the construction of the new 300 mm wafer manufacturing facility, Fab 36. Like Fab 30, AMD's 200 mm Dresden facility, Fab 36 will utilize a natural gas driven cogeneration facility, UPW recycle, perfluorocarbon abatement, and energy efficient support facility features. Fab 36 will include augmentations and improvements of all these systems as well as new tool and process water, chemical, and energy reduction technologies.

**Keywords:** 300 mm, new fab, resource conservation, energy efficiency