



Capacity Expansion for GF Kunshan, China

Engineering, project management and project realization

In 2009 GEMCO completed the Georg Fischer greenfield foundry facility in Kunshan. At the time, the realization of the +GF+ Kunshan foundry facility was part of a strategic plan to enable GF to supply its global customers, active in China, with quality castings and to further strengthen its market position. Three years later GF asked GEMCO to assist them in their exploration for possibilities of a capacity expansion of the plant. The target: a 50% capacity increase.

The original foundry lay-out and certain equipment in the foundry already offered perspective for production expansion. GEMCO thus proceeded with the pre-engineering /feasibility study for the intended capacity extension. The analyses of the equipment and respective capacity already in place as well as the existing available space, quickly learned that by re-positioning certain departments such as Dispatch area, R&D office and Raw Material warehouse, relatively little physical plant expansion would be required.



To determine where and to what extent equipment modification would be required in order to achieve the targeted capacity increase, a bottleneck analyses was conducted for each foundry department. Furthermore, since the objective was to realize the expansion works within a live environment and interrupt production only when really inevitable, a risk analyses was made so as to perfectly gear the planning of the works to GF's full production planning and [preventive] measures to maintain the company's delivery performance.

Again **Georg Fischer** and GEMCO combined their effort and expertise to reach maximum result within shortest possible time, within budget and minimum production interference!

