

Detailed Engineering



Detailed Engineering primarily converts FEED into construction or production drawings. We employ 3D integrated, multidisciplinary plant design and engineering processes to convert high-level specifications, data sheets, process calculations, and concepts into detailed design documentation. Our multidisciplinary, detailed engineering services encompass process, HSE, rotating equipment, piping, mechanical, civil and structural, instrumentation and controls, electrical, HVAC, construction and procurement, all working in perfect sync with each other.

Detail engineering requires an intensive exchange between all parties involved such as the client, our design engineers, equipment suppliers and certifying authorities in order to clarify specific design issues and to reach conclusive agreements for timely implementation. As an engineering contractor, we supply all the necessary services, i.e. the entire detail engineering up to mechanical completion and we will also support you during commissioning and plant start-up if requested. During each and every project we aim to work collaboratively and transparently with you to meet shared goals.

We offer a range of contracting strategies, from reimbursable man-hour projects and discrete detailed design and procurement contracts to greenfield and brownfield modification projects. And we will integrate our project development and execution capabilities where schedules dictate.

Cost-effective engineering centers in Indonesia enable us to drive more cost-competitive solutions without compromising quality, this in turn is supplemented by Singapore leads. This well-established working practice is proven and based on the project and technical leadership being consistent, client-facing and fully accountable. Our projects are supported by an engaged management team and experienced project managers and directors whose capabilities span the range of engineering disciplines. With the world plagued with COVID-19 in the last two years, WASCO has developed an Engineering model that allows the engineers to work remotely, efficiently and safely from their homes.