

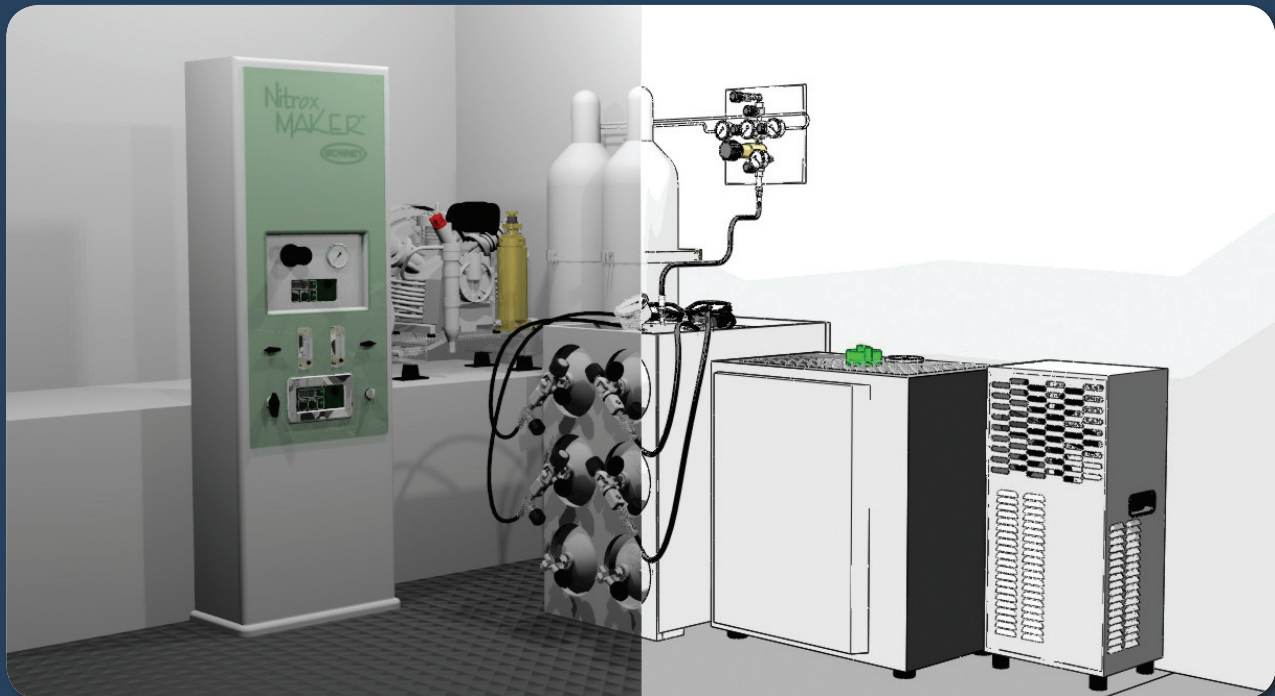
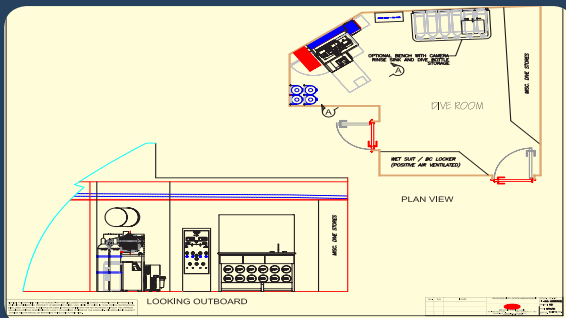
ENGINEERING & DESIGN SERVICES

2D & 3D Integrated Engineering Solutions

Today's dive systems are an integrated part of the yacht itself; therefore, the best result may only be achieved if the plans for them are included during the beginning concept portion of the project. To accomplish this, our staff reviews the basic diving goals provided by each customer and suggests an efficient, functional allocation of space for consideration during the "general arrangement" plan.

After basic spaces are marked for Ship's Air, dive systems and support, we produce a 3D rendering depicting the placement of essential items. The primary objectives of this phase are feasibility, ergonomics and appearance. Once completed the 2D mechanical drawings are then provided to the builder so they may supply the necessary electrical, cooling and foundation resources. Meanwhile, Brownie's produces and tests the equipment. Upon completion, shipment and installation activities are coordinated with the builder. On custom projects a Brownie's representative can be made available for start-up, use and maintenance training.

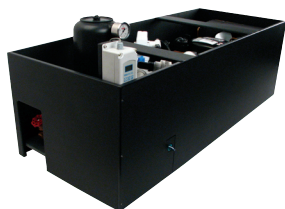
The combined talents at Brownie's provide the resources and experience necessary to design, engineer and produce the goal-specified dive system. Whether a basic tankfill system, built-in hookah or a full dive locker complete with nitrox, mixed gas and recompression chamber support are desired, a design package will ensure a reliable, anticipated and satisfactory outcome.



CUSTOM TANK FILLING SOLUTIONS

Chilled Fill Bath

Our unique fill bath features a chiller and circulating pump to control tank temperatures while filling. The custom-designed body is constructed of welded 316L stainless steel and houses an integrated tank rack capable of holding from 4 to 12 cylinders, fill whips with flow control valves and an integral gas analyzer for advanced diving applications. The chiller can be housed within the stainless steel cabinet or plumbed remotely.



Chiller Assembly



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