

Our Presence in Singapore



*PUB Bedok, Kranji, Seletar, and Changi
NEWater Plants and Visitor Centre*



Seagate Disk Drive Plant



PUB Changi Water Reclamation Plant



*PUB Deep Tunnel Sewerage
System (DTSS)*

CH2M HILL's Singapore office serves as our ASEAN and India regional headquarters. Covering Malaysia, Thailand, Vietnam and Indochina, Indonesia, India, Pakistan, Philippines, Sri Lanka, and Maldives.

In Singapore our highly qualified staff of more than 350 professionals execute work efficiently and cost-effectively. Drawing from our in-depth experience with Singapore's unique community conditions, clients, and business culture, we offer our clients turn-key services from initial assessment and conceptualization, through design, construction, start-up, operations, and maintenance. At the end of an asset's useful life, we also provide decommissioning, decontamination, and demolition.

Our local team is fully supported by a US\$5.8 billion company with over 25,000 employees worldwide, enabling us to easily access other technical and professional resources to meet varying project requirements.

In all phases of our work, we develop innovative, practical, and sustainable solutions, as well as maintain secure, environmentally compliant, and safety-conscious project sites and operating facilities.

CH2M HILL is uniquely positioned to service the following markets in Singapore

- Water
- Transportation
- Chemicals
- Energy/Oil & Gas
- Communications
- Electronics & Advanced Technology
- Manufacturing
- Pharmaceuticals & Biotechnology
- Power
- Government Facilities & Infrastructure
- Environmental
- Industrial

Project examples in Singapore

As a regional project delivery centre, our Singapore operation is responsible for a number of high-profile and high-tech local and regional projects.

- **Singapore Public Utilities Board (PUB) Deep Tunnel Sewerage System (DTSS) and Changi Water Reclamation Plant**—Programme management services in support of PUB's S\$6.8 billion, large-scale wastewater deep-tunnel conveyance and treatment system programme, which upon completion in 2016 will help meet infrastructure needs for the next 40 years.
- **Singapore Public Utilities Board (PUB) Bedok, Kranji, Seletar, and Changi NEWater Plants and Visitor Centre**—Design, supervision, and construction management (Bedok, Kranji, Seletar) and Owner's Engineer for Tender Evaluation and Design-Build Operate project delivery (Changi). CH2M HILL used the latest membrane and ultraviolet technologies in the plants to produce continuous and reliable product water. Developed the conceptual plan for content and messaging for the Visitor Centre at Bedok, which incorporates advanced multimedia technology and interactive displays.
- **Singapore Public Utilities Board (PUB) Active, Beautiful, Clean (ABC) Waters Programme**—Master planning for the Central Catchment, and design, tender evaluation, and construction management for Kolam Ayer, Alexandria Canal, and Dawson Road projects.
- **Seagate Technology**—Prime contractor to furnish and install new cleanrooms on the second and third floors of an existing manufacturing facility. Included construction, completion, testing, commissioning certification, and maintenance of the fit up and associated works including mechanical, electrical, and piping.

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STMicroelectronics Fabrication Plant



Turnkey EPCM Services for Chemical Process Plant on Jurong Island



PUB ABC Waters Master Plan Programme for the PUB

- **STMicroelectronics Ang Mo Kio (AMK) 6 and 8**—Design-build and design-construction management services for multiple construction projects. The work involved converting an existing three-story industrial building to a wafer fabrication plant, as well as the new AMK-8, a second wafer fabrication plant.
- **DuPont Singapore Wastewater Facility**—Operations and maintenance (O&M) services for a 50,000-kg-per-day biotreatment industrial wastewater facility on Sakra Island. Responsible for system startup, training, and continuous O&M for 2 years until transferring the system to DuPont operations.
- **SK-Bio, SmithKline Beecham (now GlaxoSmithKline) International Multi-Product Vaccine Manufacturing Facility**—Master planning for a 14-hectare greenfield site Phase I, S\$425 million, involves a 69,500-square-metre complex to produce bulk products. Phase II, S\$170 million, will expand the site to support filling, packaging, and warehouse operations for worldwide distribution.
- **Pan Asia Infrastructure Rollout (PAIR) XA Alliance**—Overall project management, site acquisition, and site management. Selected sites for the network, including developing a detailed site acquisition plan, preparing a market survey, identifying target sites, and developing a negotiation strategy and budget for each of the sites, which were located in more than 10 countries.
- **Confidential Client Project**—Performed engineering, procurement, and construction management of an S\$286 million (USD \$200 million) chemical facility. Project consisted of a fast-track multiple office execution enhanced through web-based collaborative tools and design and 3-D modeling integrated programs. Achieved 3,600,000 construction labor hours without a lost-time incident.
- **PowerSeraya Seawater Reverse Osmosis**—Provided design-build services including specifications, tender evaluation, and project implementation services to PowerSeraya for an \$11 million seawater desalination plant, the world's first commercial-scale desalination plant to use large-diameter seawater reverse osmosis elements. The project was successfully delivered over an aggressive fast-track schedule of 18 months—from contract signing to plant handover. The new plant commissioned in August 2007, is exceeding expectations in energy consumption and product water quality.
- **REC Wafer**—Performed engineering, procurement, and construction management services for a photovoltaic production facility on a 36 hectare greenfield site in Tuas. The scope includes building works, all process services, production equipment installation, and commissioning of a wafer production facility, a slurry recovery plant, and a wastewater treatment building for a total of 45,000 square-metre.
- **Industrial Services:** CH2M HILL comprehensive environmental permitting services, site evaluation and selection, and licensing consulting services for industrial and commercial facilities including power plants, pipelines, transmission lines, renewable energy plants, and industrial plants. We complete full-range impact analysis starting with the review of potential environmental impacts to creating plans to alleviate potential impacts.

Our commitment

As an employee-owned company, CH2M HILL is driven by the need to meet and exceed your expectations. From the outset of your project, we integrate safety, constructability, O&M, and other important elements into your facility infrastructure. As a result, increased efficiency, reduced costs, improved speed to market, streamlined project delivery, and successfully implemented first-generation technologies create lasting value for your enterprise.

[Learn more about our global, full-service capabilities at ch2mhill.com](http://ch2mhill.com)