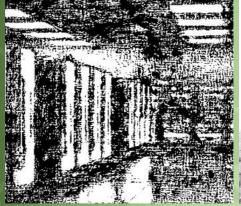
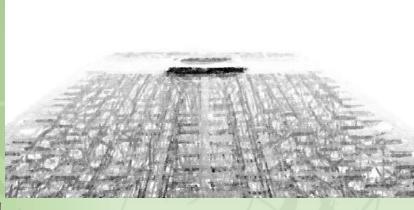


CLEANROOM PROCESS UTILITIES











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THE CLEANROOM

A cleanroom is a facility ordinarily utilized as a part of specialized industrial production or scientific research, including the manufacture of pharmaceutical items and microprocessors.

Cleanrooms are designed to maintain extremely low levels of particulates, such as dust, airborne organisms, or vaporized particles.

Cleanrooms typically have an cleanliness level quantified by the number of particles per cubic meter at a predetermined molecule measure.



CLEANROOM CLASSIFICATION

US FED-STD-209E was a United States federal standard. It was officially cancelled by the General Services Administration on November 29, 2001, but is still widely used.

Class	Maximum Particles/ft3					ISO
	=> 0.1um	=> 0.2um	=> 0.3um	=> 0.5um	=> 5um	Equivalent
1	35	7.5	3	1	0.007	ISO3
10	350	75	30	10	0.07	ISO4
100	3,500	750	300	100	0.7	ISO5
1,000	35,000	7,500	3,000	1,000	7	ISO6
10,000	350,000	75,000	30,000	10,000	70	ISO7
100,000	3,500,000	750,000	300,000	100,000	830	ISO8

THE PROFESSIONAL

Each and every one which involve in the design build construction projects are internationally certified and qualified to carry out their task, to fulfil to the customer expectation, namely;













PROCESS UTILITY SYSTEMS

Efficient and reliable utility systems are a critical requirement for the successful operation of your process facility. Utilizing the appropriate technology to meet the necessary regulatory requirements, CMEE develops solutions that are "right sized" to your application.

CMEE are experts in the design, testing and troubleshooting of utility systems for manufacturing facilities especially in the semiconductor industries, pharmaceutical industries, food & beverage industries, medical industries.



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