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# Insulated Wall Systems Reduce Particulate Contamination

Wed, 11/19/2014 - 11:35am

Cleanrooms by United

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Cleanrooms are necessary in many industries where small particles can adversely affect the manufacturing or quality of product. While the enclosures vary in size and complexity they are typically found in industries such as pharmaceutical, semiconductor, biotech, medical device, and life sciences, as well as critical process manufacturing common in optics, aerospace, automotive, and military facilities.

A cleanroom or "controlled environment" is any given contained space where provisions are made to reduce airborne particulate contamination and control other environmental parameters such as temperature, humidity, and pressure. The key component is the mechanical system and filtration that traps particulates through HEPA or ULPA filters depending on cleanliness requirements.

Modular construction provides advantages that reduce facility down time and onsite debris generated by general "stick build" construction, while providing a cost-effective alternative to conventional construction without compromising quality, durability or efficiency. Cleanroom systems can also utilize existing walls or integrate with mezzanine systems where space is critical.

A design build manufacturer can provide an insulated wall system to accommodate a variety of applications. The wall system can reduce outside noise reduction while providing a thermal barrier for stringent applications.

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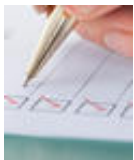
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