

San Diego State University

Description

The Elastomeric Half Mask Respirator, sponsored by Hiro PPE, seeks to provide a more breathable protective mask for individuals in polluted environments and healthcare professionals. The EHMR incorporates a filter made of pleated electro-spun nanofibers, supplied by Hoff Engineering, and integrates gas sensors to provide information on air quality. Designed to accommodate five different CDC/NIOSH 3Dscanned head shapes, the EHMR utilizes silicone molding to enhance user comfort and facial fit.





Team Members





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