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The Role of DED Additive Manufacturing in Supporting the Energy and Maritime Industries

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Welding has been a key part of the energy and maritime sectors. Today, welding plays an even larger role in shipbuilding, pipelines and power plants. The role in joining and surfacing still exist, but now parts are being made entirely from weld metal. DED-wire additive manufacturing serves to improve new construction as well as keep aging assets in service. We will highlight some alloys and applications that have supported these industries in the last several years, and describe the properties and decisions that are required for implementation in critical service.