AVEVA

ERP and ERM: What's the difference?

ERP (Enterprise Resource Planning) software
Controls resources where the company is producing thousands of products based off a standard bill of materials, and placing purchase orders based on MRP and stock levels for delivery at set locations.

ERM (Enterprise Resource Management) software
Controls resources where the company is producing thousands of items—each with a unique bill of materials—and placing purchase orders based on early design estimates with contingencies, for delivery at remote locations.

Using ERP when you should be using ERM can cost you

ERP
Costs of ERP

ERM
Benefits of ERM

Costs of ERP	Benefits of ERM
Missing industry-specific features and processes	Industry-specific support for construction of process plants, marine, and shipbuilding
Does not allow control of requisitions changes during the design process	Optimizes requisitions • Tracks changes in quantity, both positive and negative • Handles contingencies based on project phase
More MRP-focused, offering poor project control and visibility	Project planning built in with 4D status visualization
Missing integration with engineering design tools	Automatically updates requisitions and orders as 3D design changes get approved
Incomplete coverage over the project lifecycle	Controls cost of changes due to • Client change requests • Design changes for optimization or safety
Does not highlight inefficiencies, re-work and delays	Every aspect of ERM is focused on reducing delays in construction, reducing material waste and hitting handover on schedule
Missed opportunities for optimization and digital transformation	Specifically designed to optimize construction and support digital transformation

AVEVA™ Enterprise Resource Management gives process plant and marine companies:

4%	10%	11%	30%
total savings off total installed cost	reduction in field labor costs	reduction in bulk materials costs	less specification time

Don't use the wrong software and leave this value on the table.

Learn more

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