



## Total Life-Cycle Cost Comparison

Why a 4-inch EDDY Pump costs less than a 4-inch Centrifugal Pump?



# Reduce your total production cost by 3x with EDDY Pump

**Total Production Cost Comparison:**  
**10-inch EDDY Pump vs. 10-inch Leading Competition**

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	10-inch EDDY Pump Dredge	10-inch Leading Centrifugal Pump Dredge
<b>Initial Acquisition Cost</b>	\$160,000.00	\$125,000.00
<b>Equipment</b>	10-inch EDDY Excavator Pump	10-inch Centrifugal Pump Attachment
<b>Production</b> (cubic yards of material/hour)	300 cy/hr	150 cy/hr
	<b>Based on working 5 days a week and 10-hour shifts and 52 weeks per year</b>	
<b>Total Production over a year</b>	<p><b>EDDY Pump has 80% uptime</b>            (50 hours in a week) x (80% uptime) x (52 weeks per year) = (2080 hours per year) x (300 cy/hr) 624,000 cy per year</p>	<p><b>Centrifugal Pump Dredge has 60% uptime</b>            (50 hours in a week) x (60% uptime) x (52 weeks per year) = (1560 hours per year) x (150 cy/hr) 234,000 cy per year</p>

<b>Total Cost of Replacement parts over a year</b> (mechanical seal, impeller, etc.)	<b>\$2,500.00</b> (Includes Cutter Teeth, and miscellaneous)	<b>\$30,000.00</b> (Mechanical Seal, Impeller, Cutter Teeth)
<b>Corrective Action Costs over a year</b> (downtime and labor costs for changing out failed parts, etc.)	<b>\$5,000.00</b> (Includes Cutter Teeth, and miscellaneous)	<b>\$45,000.00</b> (Mechanical Seal, Impeller, Cutter Teeth)
<b>Total Equipment Operation Cost per Cubic Yard</b> (minus operating costs such as diesel and operator's labor)	<b>Total Cost per year: \$167,500.00</b> <b><u>Total Cost per cubic yard:</u></b> (\$167,500.00) / (624,000 cubic yards per year) = <b><u>\$0.27 per cubic yard</u></b>	<b>Total Cost per year: \$200,000.00</b> <b><u>Total Cost per cubic yard:</u></b> (\$200,000.00) / (234,000 cubic yards per year) = <b><u>\$0.85 per cubic yard</u></b>

**EDDY Pump's Production Cost is 3x lesser than Competition.**

**EXPLORE EDDY PUMPS**

**Please Note:**

- The total cost is the sum of the equipment’s initial cost, operating cost, maintenance cost, and disposal cost.
- The dredging capacity refers to the volume (in cubic yards) the dredging equipment can handle per unit of time.
- Finally, the cost per cubic yard is calculated by dividing the total cost by the dredging capacity. This will provide the cost effectiveness of each piece of equipment.

**About EDDY Pump:**

EDDY Pump Corporation is a state-of-the-art dredge pump engineering and slurry pump manufacturing company. We are committed to providing the best technology and service to our clients.

**We are one of the few dredge manufacturers that build both our pumps and dredging equipment to ensure optimal support.**

## **We Pump Solids, Not Water.**



**MADE IN USA**

Engineered, sourced, built, supported – 100% USA

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**RioTinto**



**GENERAL DYNAMICS**