In 1885 Charles E. Ellicott opened a waterfront machine shop in the growing city of Baltimore, Maryland. Business thrived and in 1888 he was approached by a local contractor to design and build new machinery for a dredge that was struggling in nearby Washington, D.C.

By 1907 the U.S. Corps of Engineers took notice of the success of the Ellicott® brand name and purchased four dredges for the largest construction project ever undertaken – the Panama Canal. The performance of these machines led to the Ellicott® brand name becoming known around-the-world for strong, capable, and versatile dredges.

Countries where Ellicott® brand dredges have been supplied:

- The *Arctic Northern*, a B1690 Dragon® Dredge, in the Mackenzie River Delta - Canada
- A 1270 Dragon® Dredge working in Oil Sands Tailings - Canada
- New fishing harbor being built with the help of an 1170 Dredge - Alaska, USA
- Port dredging with a 670 Dragon® Dredge - Guatemala
- The *Mindi*, a 10,000 HP, 28" dredge maintaining depth in the Panama Canal - Panama
- Sand mining with a 370 Dragon® Dredge - Nigeria
- Dredging small harbors and inlets with 370 Dragon® Dredge - New York, USA
- A 1270 Dragon® Dredge on a flood control project on the Salado River - Argentina

Charles Ellis Ellicott

In 1885 Charles E. Ellicott opened a waterfront machine shop in the growing city of Baltimore, Maryland. Business thrived and in 1888 he was approached by a local contractor to design and build new machinery for a dredge that was struggling in nearby Washington, D.C.
The preservation of natural wetlands, shorelines, and marshes is crucial. Environmental remediation dredging can remove contaminated sediments from underwater surfaces.

The environmental improvements available through dredging can positively impact human health and the surrounding area. Environmental dredging requires high-level precision to ensure project objectives while maintaining a safe environment.

**Mining / Sand & Gravel**

When deep digging is required for sand and gravel, minerals, tailings, and other industrial materials, mining with a dredge is the most efficient way to obtain deposits.

Ellicott’s integrated dredge systems and designs are focused on efficient production and cost reduction throughout the entire mining life cycle. Mining contractors work closely with our team of dredge experts before purchasing a dredge right through the installation of the dredge system.

**Coastal Restoration**

The protection and restoration of beaches, wetlands, and land reclamation is essential to protecting our natural resources.

Creating new land and restoring flood lands is common throughout the world for real estate development and for rehabilitating storm-damaged areas. Ellicott’s dredges are used to pump sand and shoreline water back to its original location.
Dams & Desiltation
Removing silt, sand, and gravel, from behind a dam and near its intakes is vital for the efficient operation of a power generation system.

Sedimentation buildup diminishes a dam's electric generation and water volume eventually requiring dredging to control efficient operation. In reservoirs, eroding sediment can slowly build and cause concentrated water storage and water quality issues.

Ports, Harbors, and Waterways
Dredges work to keep our ports, harbors, and navigable waterways open and free of obstructions. Transporting passengers and equipment on water is a reasonably affordable option for trade. With the global population increasing, there will be a higher demand for secure, economic, and viable waterborne logistics over the next several years.

Ellicott's small and medium-sized portable cutterhead suction dredges are well suited for maintaining local ports, harbors, and waterways regardless of the climate and the surrounding environment.

Protecting Our Bodies of Water
As an industry leader of quality-built cutter suction dredges, Ellicott Dredges, LLC engineers and manufactures dredges for use in protecting the environment, improving and maintaining safe waterways, and mining underwater resources for economic development.
360 SL Swinging Dragon® Dredge

- 8” (200 mm) pumping system and 15' (4.5 m) digging depth
- Single diesel engine powers hydro-static pump drive and second pump for auxiliary controls
- Optional swing winches for conventional operation

460 SL Swinging Dragon® Dredge

- 12” (300 mm) pumping system and 20’ (6 m) digging depth
- Ideal for environmental cleanup, waterways and lake projects
- Can be outfitted with swing winches for conventional operation

860 SL Swinging Dragon® Dredge

- 14” (350 mm) pumping system and 30’ (9 m) digging depth
- Swing winches are standard for dual operation
- Conventional dredging mode allows for wider swing widths for optimal precision and production efficiency

<table>
<thead>
<tr>
<th>Dredge Model</th>
<th>360 SL</th>
<th>460 SL</th>
<th>860 SL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Discharge Diameter</td>
<td>8” (200 mm)</td>
<td>12” (300 mm)</td>
<td>14” (350 mm)</td>
</tr>
<tr>
<td>Max. Digging Depth</td>
<td>15’ (4.5 m)</td>
<td>20’ (6 m)</td>
<td>30’ (9 m)</td>
</tr>
<tr>
<td>Total Power</td>
<td>375 HP (280 kW)</td>
<td>540 HP (724 kW)</td>
<td>800 HP (596 kW)</td>
</tr>
<tr>
<td>Pump Power</td>
<td>290 HP (215 kW)</td>
<td>320 HP (240 kW)</td>
<td>625 HP (470 kW)</td>
</tr>
<tr>
<td>Cutter Power</td>
<td>40 HP (30 kW)</td>
<td>40 HP (30 kW)</td>
<td>100 HP (75 kW)</td>
</tr>
</tbody>
</table>
370 HP Dragon® Dredge

- Simple design makes it an ideal dredge for first-time owners
- Heavy-duty construction and components
- Versatile—used for sand mining, dredging of small waterways, canals, and marinas

670 Dragon® Dredge

- Similar great features as the 370 but in larger size with higher production rates
- Simple and fast assembly with minimal effort
- Powerful pumping capacity: 715 HP (533 kW) and 100 HP (75 kW) cutter drive

870 JD Jet Dragon® Dredge

- Digging depth to 60 ft. (18 m)
- Unique Jet Suction Assist allows for high production at any digging depth
- No submerged ladder pump—keeps maintenance simple

<table>
<thead>
<tr>
<th>Dredge Model</th>
<th>370 HP</th>
<th>670</th>
<th>870 JD</th>
</tr>
</thead>
<tbody>
<tr>
<td>Discharge Diameter</td>
<td>10” (250 mm)</td>
<td>14” (350 mm)</td>
<td>14” (350 mm)</td>
</tr>
<tr>
<td>Max. Digging Depth</td>
<td>20-42’ (6-15 m)</td>
<td>33-42’ (10-13 m)</td>
<td>60’ (18.2 m)</td>
</tr>
<tr>
<td>Total Power</td>
<td>416 HP (312 kW)</td>
<td>715 HP (533 kW)</td>
<td>960 HP (715 kW)</td>
</tr>
<tr>
<td>Pump Power</td>
<td>320 HP (240 kW)</td>
<td>560 HP (420 kW)</td>
<td>575 HP (430 kW)</td>
</tr>
<tr>
<td>Cutter Power</td>
<td>40 HP (30 kW)</td>
<td>100 HP (75 kW)</td>
<td>100 HP (75 kW)</td>
</tr>
</tbody>
</table>
1270 Dragon® Dredge

- Compact design allows for rapid deployment and mobilization
- Fairly easy to tow and maneuver in confined areas
- Equipped with two separate diesel engines, one of which is totally dedicated to the dredge pump for optimal production
- Typically used for medium-sized navigation projects such as ports, harbors, rivers, and inland waterways

<table>
<thead>
<tr>
<th>Dredge Model</th>
<th>1270</th>
<th>2070</th>
</tr>
</thead>
<tbody>
<tr>
<td>Discharge Diameter</td>
<td>18” (450 mm)</td>
<td>20” (500 mm)</td>
</tr>
<tr>
<td>Max. Digging Depth</td>
<td>50’ (15.2 m)</td>
<td>50’ (15.2 m)</td>
</tr>
<tr>
<td>Total Power</td>
<td>1,175 HP (876 kW)</td>
<td>1,740 HP (1300 kW)</td>
</tr>
<tr>
<td>Pump Power</td>
<td>800 HP (596 kW)</td>
<td>1,300 HP (970 kW)</td>
</tr>
<tr>
<td>Cutter Power</td>
<td>155 HP (115 kW)</td>
<td>250 HP (185 kW)</td>
</tr>
</tbody>
</table>

2070 Dragon® Dredge

- Available with optional spud carriage and anchor boom installation
- Equipped with two engines, one dedicated to the dredge pump for maximum production and an auxiliary engine to power the hydraulic system with generator
- Ideal for river dredging, port applications, and land reclamation projects
Large Cutterhead Dredges

26” Super-Dragon™ Dredge

- Innovative catamaran hull design
- Ladder pump driven directly by diesel engine via pivoting gearbox
- High production rates from submerged dredge pump
- Standard spud carriage

<table>
<thead>
<tr>
<th>Dredge Model</th>
<th>26”</th>
<th>4170</th>
</tr>
</thead>
<tbody>
<tr>
<td>Discharge Diameter</td>
<td>26” (650 mm)</td>
<td>24” (600 mm)</td>
</tr>
<tr>
<td>Max. Digging Depth</td>
<td>60’ (18 m)</td>
<td>60’ (18 m)</td>
</tr>
<tr>
<td>Total Power</td>
<td>3,860 HP (2,880 kW)</td>
<td>4,090 HP (3,050 kW)</td>
</tr>
<tr>
<td>Pump Power</td>
<td>2,450 HP (1,825 kW)</td>
<td>2,680 HP (2,000 kW)</td>
</tr>
<tr>
<td>Cutter Power</td>
<td>600 HP (450 kW)</td>
<td>750 HP (560 kW)</td>
</tr>
</tbody>
</table>

4170 Super-Dragon™ Dredge

- Heavy-duty, long life design
- Available as single welded monohull design or 6-piece dismountable hull
- Optional spud carriage and anchor booms
**Custom Dredges and Special Features**

### Large Custom Dredges

**Greater than 24” discharge**

- For major capital dredging projects
- Up to 15,000 HP (11,185 kW)
- For very high output — up to 82’ (25 m) digging depth

### Wheel Dragon™ Dredges

**Dual Wheel Excavators**

- Excellent excavation device for hard materials
- Extremely high recovery rates make it standard excavator for many mining applications

### Booster Pumps

**Skid-Mounted or Floating Units**

- 325 HP (242 kW) to 1,125 HP (838 kW)
- Electric or diesel
- Standard units available in 10 to 20” (250 to 500 mm)

### Electric Dredges

**Available in all sizes**

- Built to meet Ellicott or Customer’s design or specifications
Ellicott Dredges ...

Built to Last

Ellicott Offers

Field Services:
• Training and Technical Support
• Simulator Training
• Factory Trained Technicians
• Emergency Response

Replacement Parts:
• OEM Supplier
• After-sales support
• Stocked Ellicott Parts
• Service number 888-468-3228 or +1 410-545-0239

Parts and Service

(Ph) 888-468-3228 or +1 410-545-0239

parts@dredge.com