

INNOVATION FROM METALLURGY TO MANUFACTURING

The PCC Energy Group is a vertically integrated manufacturer offering Oil Country Tubular Goods (OCTG) in nickel, duplex, super duplex, and titanium in sizes 2-3/8" to 13-3/8" in lengths up to 45 feet. PCC Energy Group is a division of Precision Castparts Corp. (PCC), the world leader in structural investment castings, forged components, and aerostructures. PCC Energy Group expands upon PCC's rich tradition of manufacturing excellence to serve the energy markets and leverages internal alloy supply and asset redundancy to offer increased capacity and shortened lead times, making us your partner of choice for OCTG products.

OCTG / PRODUCTION TUBING AND CASING

PCC Energy Group can supply all API 5 CRA Group 2, 3, and 4 alloys including but not limited to the following:

MATERIALS

Duplex 22Cr	UNS S31803	Grades 110 & 125
Super Duplex 25Cr	UNS S32750	Grades 110 & 125
INCOLOY® Alloy 28	UNS N08028	Grades 110 & 125
INCOLOY® Alloy 825	UNS N08825	Grades 110 & 125
INCONEL® Alloy G-3	UNS N06985	Grades 110 & 125
INCONEL® C-276	UNS N10276	Grades 110, 125 & 140

SIZE AND WEIGHT

Diameter:	2-3/8" through 13-3/8"
Size & Weights:	Standard API sizes and weights
Lengths:	Range 2 (25 - 34 ft) Range 3 (34 - 45 ft)

Non-standard sizes and grades available upon request

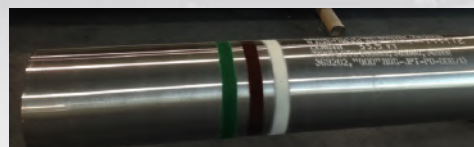
SAFETY. QUALITY. DELIVERY

PCC Energy Group is committed to safety and quality; therefore, all pipe and tubing processes are rigorously monitored, tested, and inspected throughout the manufacturing process. The PCC Energy Group's quality management systems are approved by internationally recognized accrediting bodies and holds the following approvals and certifications:

- API 5 CRA
- NORSOK
- ISO 13680
- ISO9001:2015

PUSHING WHAT'S POSSIBLE.

PCC Energy Group's OCTG capabilities provide the highest level of corrosion resistance with the largest diameter and longest nickel alloy pipe enabling operators to drill in high pressure, high temperature, offshore, subsalt environments.



CAPABILITIES

PRIMARY PRODUCTION ASSETS*

EXTRUSION CAPABILITIES

- 6,000 ton Horizontal Extrusion Press, max diameter 10"
- 8,000 ton Horizontal Extrusion Press, max diameter 16"
- 12,000 ton Horizontal Extrusion Press, max diameter 20"
- 35,000 ton Vertical Extrusion Press

COLD WORK CAPABILITIES

- 2 Pilger Mills, max diameter 5"
- 1 Pilger Mill, max diameter 14"
- 2,000 ton Cold Draw Bench, max diameter 20"

FINISHING & INSPECTION

- 10-Roll CNC Straightener
- Phased Array UT
- Pickling Capabilities

**All production can reach Range 3 lengths in sizes up to 13-3/8"*



FORGING AHEAD.

PCC Energy Group has the largest vertical extrusion press in North America; is the only manufacturer in the world capable of producing CRA OCTG products in Range 3 lengths above 9-5/8" OD", exceeding industry standards. A PCC Energy Group facility was also the first in the world to receive API 5 CRA certification, and today the PCC Energy Group remains one of only two organizations with this distinction in the U.S. and one of only ten worldwide.

GLOBAL LEADERS IN ALLOY RESEARCH AND DEVELOPMENT.



PCC Energy Group is supported by in-house alloy production at Special Metals Corporation [SMC]. SMC is a pioneer in nickel alloys used for OCTG applications having invented and developed a large majority of the commercial nickel-based superalloys offered in the market today. SMC has nearly two centuries of metallurgical expertise and their INCONEL® and MONEL® alloys are used for applications ranging from downhole tubulars and tools to wellhead hardware and processing equipment.

SINGLE INTEGRATED SOLUTION.

The PCC Energy group unites the expertise of industry-leading companies to bring a unique supply chain to the energy market. Our technical proficiencies allow us to custom-engineer high-performance alloy solutions for oil and gas, processing and refining, power generation, and general industrial processes.

