

*Green Solutions.  
Smart Investment.*

**Bocci™**  
**ENGINEERING**

*Green Solutions. Smart Investment.*



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**Menu of Services**



# About Bocci Engineering



## WHO WE ARE

Bocci Engineering is a multi-disciplinary consulting firm supplying energy and environmental engineering services for sustainable opportunities in oil/gas/power, manufacturing/industrial, and commercial/institutional facilities. Since Bocci's inception in 2002, we have been providing high quality, innovative, and cost-effective engineering services that significantly reduce or eliminate environmental impact. Our goal is to deliver green solutions that are also smart investments for our clients.

## WHAT WE DO

Greenhouse gas emissions and volatile energy costs directly impact cost of operations. Whether the project is oil/gas or commercial, new technology or existing operations, FEED or EPC, Bocci's wide-ranging and thorough knowledge of energy infrastructure can help you reach your environmental and economic performance goals. We know that, when deciding how to invest capital, "being green" isn't good enough - that's why we combine engineering best practices with risk management to provide high level return on investment and improved reliability.

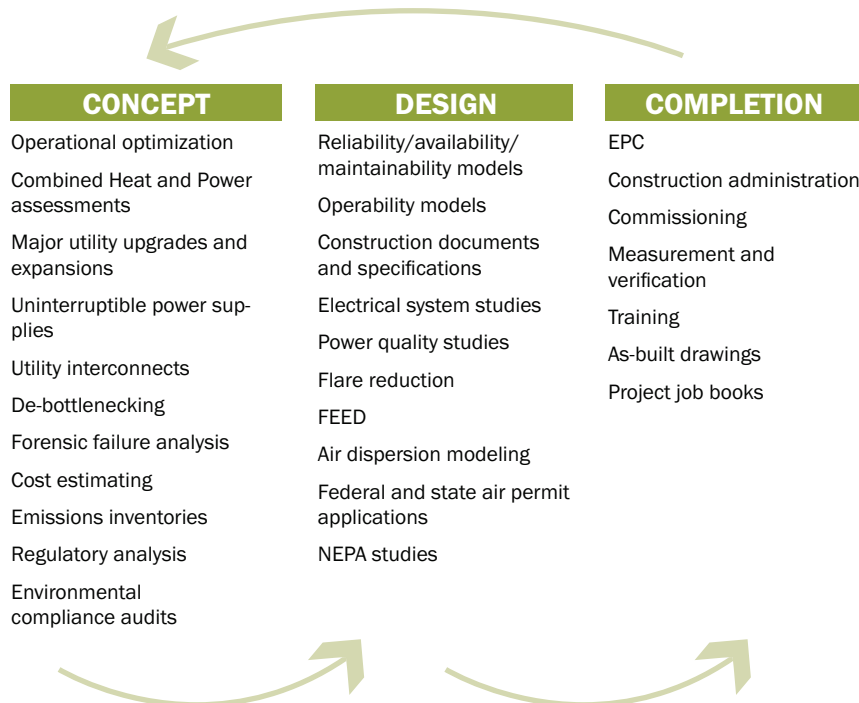
But we do more than just project conceptualization. We provide full design services, including stamped construction drawings and specifications. We provide construction administration and third party reviews. And we provide measurement, verification, and commissioning services. Bocci can add value at any project phase.



# Oil / Gas Clients

The oil and gas industry has specific utility and process needs. Projects designed to reduce utility consumption must also meet reliability specifications. Bocci has the industry experience and technical background to help you reach your corporate sustainability goals.

- Thermal utilities
- Compressed air
- Pipelines
- Upstream/downstream/midstream
- Gas compressor stations
- Power generation and distribution (primary and standby)
- Process gas and liquids
- Motors and conveyances
- Environmental control equipment
- Power and process boilers



Project Experience

## ALBA LNG (EQUATORIAL GUINEA)

Participated in an integrated gas study productivity assessment project. Combined four phases to develop a fully integrated RAM model inclusive of gas and water profiles, down-hole through unloading arm systems. Utilized FEED approved P&IDs and operations and maintenance plan.

## LNG CASCADE OPTIMIZATION

RAM analysis of various compression and power generation drivers. Work supported publication and presentation at Gastech 2005 in Bilbao, Spain.

## BURNABY LSG

RAM analysis of a LSG plant in Burnaby, Canada. Considered impact from historical failure data.

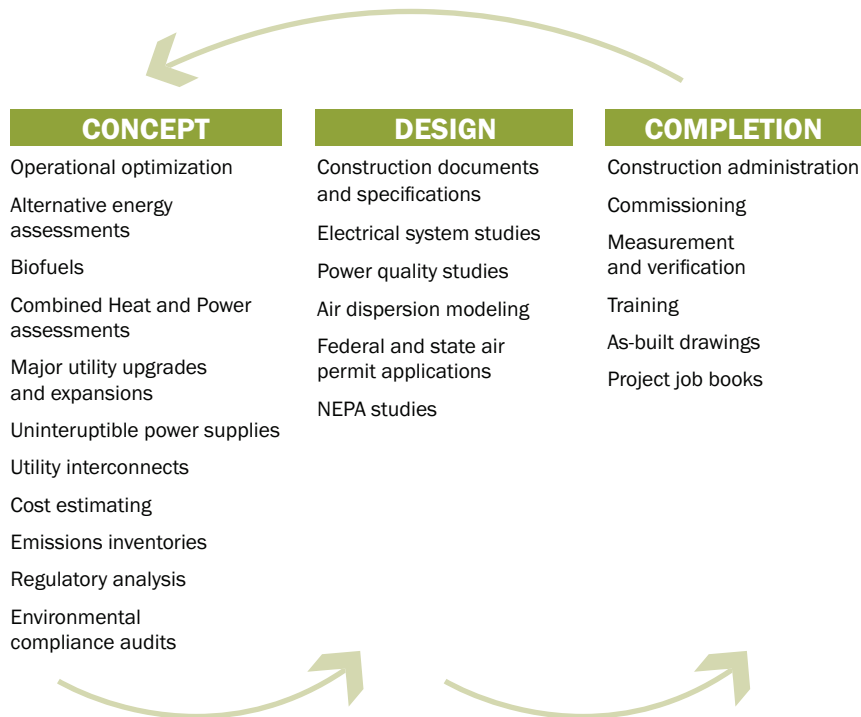
## KIZOMBA A

Project management of the Sakhalin I development project entailed RAM analysis of a generic power generation plant and performance of weighted productivity assessments. IGCC Reference Plant: Integrated Gasification Combined Cycle reference plant project consisted of performing RAM analysis of multiple configurations of the reference plant, numerous major drivers, and sensitivities of operations at various power production states.

# Manufacturing and Industrial Clients

No matter your business, you use energy. You are the expert on your process; we are the experts on the utilities that make it work. Let us show you how to produce them all more efficiently – and at a lower cost. From concept to completion, Bocci has it covered.

- Thermal utilities
- Compressed air
- Power generation and distribution (primary and standby)
- Controls and clean rooms
- Process gas and liquids
- Motors and conveyances
- Environmental control equipment
- Power and process boilers



Bocci Engineering is a valued partner in our goals of improving human and ecosystem well-being through the application of sustainability science and principles of sustainable development.

**Dan Bullock, Principal Investigator,  
Houston Advanced Research Center**

**Case Study**

## CHP in Wastewater Treatment

**ALMEDA SIMS PLANT, HOUSTON, TX**

**OWNER: City of Houston**

**CLIENT: Houston Advanced Research Center**

- Combined Heat and Power system
- 1.4 MW, 9.9 MMBtuH heat, 74% efficiency
- Sludge drying process heat
- 30% efficiency ↑ to plant
- Emissions ↓ 6 tons NOx annually