

TRANSEPARATION

Business challenges, engineering solutions.

*Basic Science and Practical Mastery
Committed to Unique Engineering Results.*



About Us

Transeparation is a recognized engineering firm specialized in the design of processing plants and equipment forged in the heart of the Oil & Gas industry.

The company's background in engineering and operation embraces a holistic approach to understand our customers' needs and deliver solutions that maximize the investment value with a long-term perspective.

Transeparation capabilities are highly valued by our customers from the early conceptual stages through project execution and operation, and from the wellhead to the treatment of fluids.

We engage with our clients from concept development to the start-up of projects; this relationship then evolves into a life-long liaison of continuous operational support throughout the life cycle of the projects.

Transeparation addresses the demands of our clients with an agile business model to deliver state-of-the-art projects focusing on scope, schedule and budget.



*The meaning of our logo:
the Athanor and the 15-Pointed Gold Star.*

The round-bottom flask, the principle of every chemical container, is the shape that comprises and organizes the chaos to transform matter.

The circle is the symbol of gold in Alchemy and represents unity, the absolute perfection.

The 15-pointed gold star is the outcome of a faultless work forged inside the alchemist's athanor, the result of rigorous procedures that demand respect and knowledge of the laws of nature.

OUR INVOLVEMENT. WHAT WE SELL.

Transeparation: The Process Experts

“Pedes in terra ad sidera visus”

Projects must be started and completed with feet on the ground and eyes on the sky.

Our process technology offers in-depth, comprehensive support in the following areas:

- **Operational Excellence:** Field expertise and profound understanding of the philosophy, dynamics, and requirements of operations.
- **Engineering:** The best design practices applied to developing state-of-the-art projects, process equipment, and internal devices.
- **Fitness for Purpose:** Feasibility of development and execution of projects to suit business objectives and constraints. Our work is tailored to the needs of our clients.

We consistently provide customer satisfaction by rendering personalized or pre-engineered solutions for green and brownfield projects through a wide variety of services grouped in three main divisions:

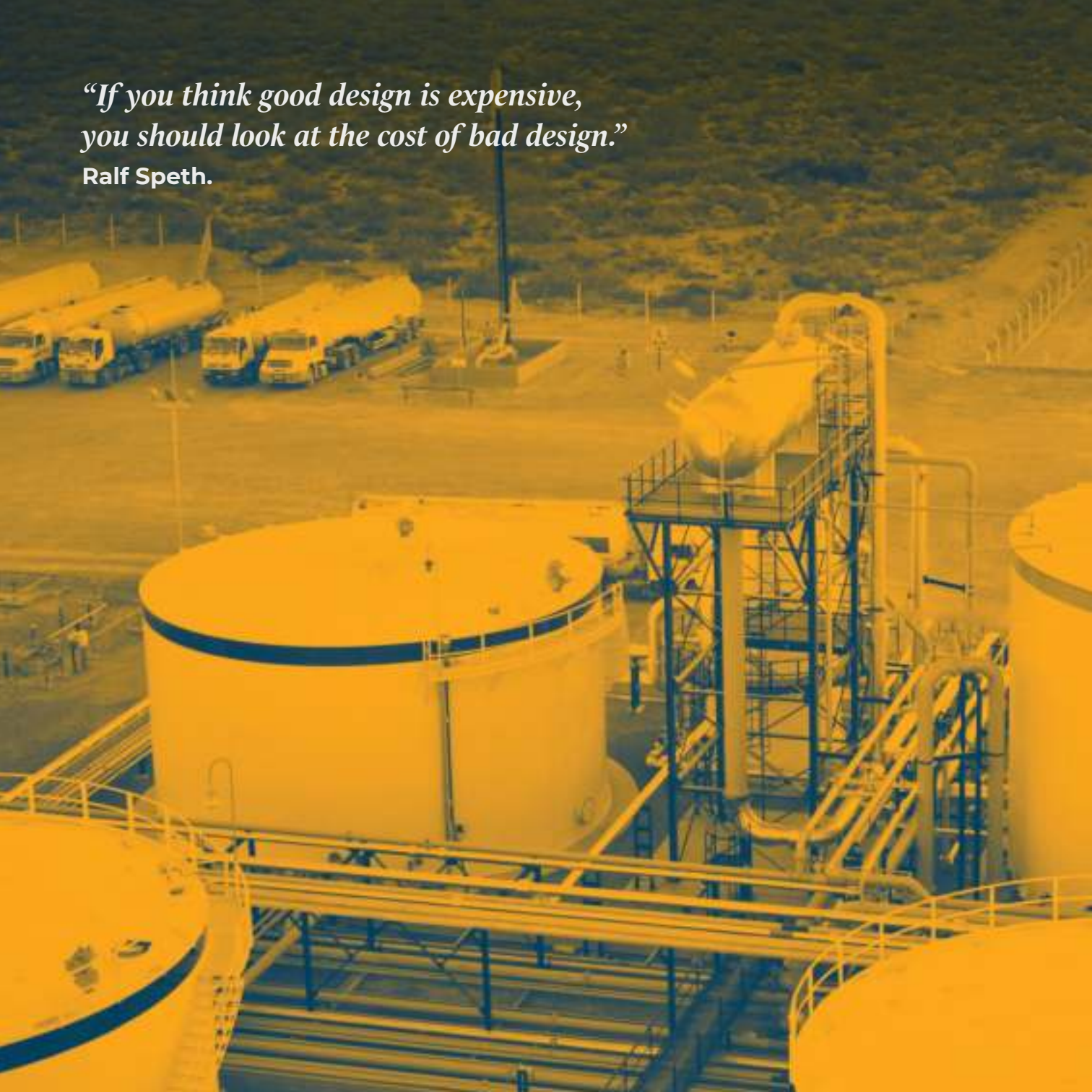
**PROCESS
TECHNOLOGY**

**PROCESS
EQUIPMENT**

**CONSULTANCY
SERVICES**



“Strive for perfection in everything you do. Take the best that exists and make it better. When it does not exist, design it.”
Sir Henry Royce.



*“If you think good design is expensive,
you should look at the cost of bad design.”*

Ralf Speth.

Process Technology

*A successful design is the result of sound engineering
and the best operational practices.*

The Process Technology Division focuses on engineering work for full-field development projects or processing plants involving gas processing, crude oil, and produced water treatment.

Our scope involves the full spectrum of upstream facilities from the wellhead, gathering networks, primary separation units, processing and stabilization facilities, takeaway and transport infrastructure, and waste treatment facilities, among others.

THE DIVISION SPECIALIZES IN THE FOLLOWING PROCESSES FOR CONVENTIONAL AND UNCONVENTIONAL FIELDS:

- **Crude Oil Treatment.**
- **Hydrocarbon Stabilization Processes.**
- **Gas Processing and Compression Facilities.**
- **Produced Water Treatment for Secondary Recovery Projects, EOR, Reuse, or Disposal.**
- **Flow-Back Water Treatment.**
- **Water Filtration, Softening, and Deoxygenation.**
- **Slop Oil and Slop Water Treatment.**
- **Separation and Emulsion Treatment Processes.**
- **Solids Removal, Cleaning & Dewatering.**
- **Early Production Facilities (EPF).**
- **Vapor Recovery Units (VRU) and Vapor Handling Systems.**
- **Heat Recovery Systems and Waste Heat Recovery Units (WHRU).**
- **Side-Streams to Energy.**

Process Equipment

“Scientists investigate that which already is; engineers create that which has never been.”

Albert Einstein.


Our standpoint is that equipment is not a set of isolated components, but part of a more complex system conformed by the complete processing scheme.

We apply our process expertise to develop innovative solutions and standards for process equipment and special internals.

We design personalized or pre-engineered equipment according to customers' requirements. The following list comprises equipment families included in our supply scope:

- Two- and Three-Phase Separators.
- Free Water Knockouts.
- Heater Treaters.
- Desalters.
- Test Separators.
- Slug-Catchers.
- Filter Separators.
- Degassers.
- Vapor Recovery Towers (VRT).
- Sand Traps.
- Skimmer Tanks.
- Gun Barrel & Wash Tanks.
- Mixing (Homogenizer) Tanks.
- Steam and Water Bath Indirect Fired Heaters.
- Steam and Water Bath Indirect Electric Heaters.
- Process Heaters.
- Heat Exchangers.
- Air Coolers.
- KOD & Flare Systems.
- Waste Heat Recovery Units (WHRU).
- Thermal Oxidizers.





*“Art without engineering is dreaming.
Engineering without art is calculating.”*

Steven K. Roberts.

Consultancy Services

Beyond Projects and Hardware.

The Consultancy Services Division focuses on assignments frequently driven by operational issues requiring specialized technical assistance.

Our broad spectrum of services includes consultancy and engineering specialties, fab-shop supervision, and field support to operations:

- **Process Optimization.**
- **Dynamic Simulation Modeling.**
- **Hydrodynamic Pipeline Networks Simulation.**
- **Flow Assurance Analysis.**
- **CFD Modeling.**
- **Process Diagnosis & Debottlenecking.**
- **Gas Dispersion & Flare Radiation and Noise Analysis.**
- **Emissions Studies.**
- **Energy Optimization and Sustainability Studies.**
- **Depressurization Studies.**
- **HAZOP & Quantitative Risk Assessment.**
- **Field Support to Operation.**
- **Operator Training Services.**
- **Fab-Shop Supervision.**
- **Pre-Commissioning, Commissioning & Start-Up Assistance.**
- **Performance Test & Test Runs.**



Our Philosophy

“A designer knows he has achieved perfection not when there is nothing left to add, but when there is nothing left to take away.”

A. Saint-Exupéry.



*Doesn't matter the **time** of the day.*



*Don't mind the **heat**...*



*...neither the **cold**.*



Size is no concern.

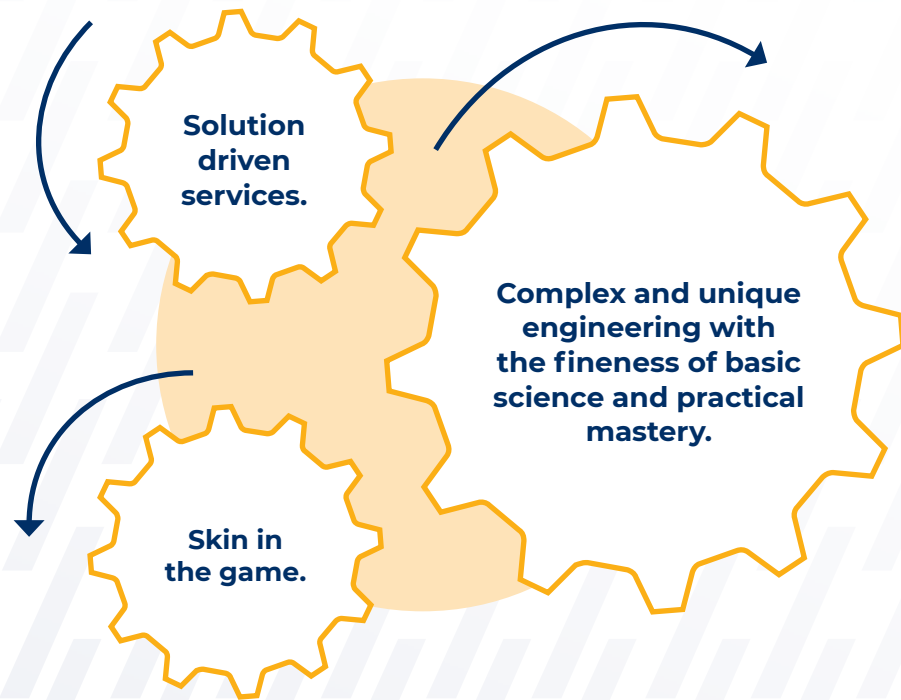


*And be part of a great **team**.*



*Always hands-on.
Ready to **engage**.*

Our Value Proposition



Who We Are





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