How to use this sheet

1. Tick the solutions you need (section 2); each has its own short section, fill only those.
2. Complete the project data. Fields with a blue dot are enough for a budget estimate.
3. Save the PDF and email it, with any P&ID, specification or data sheets, to:

salesusa@controval.com **ventascolombia@controval.com** **ventasvenezuela@controval.com**

● = needed for a budget estimate

1. CONTACT AND PROJECT

● Full name | ● Company | ● Email

Phone / WhatsApp | End user of the equipment | Project name or reference

● Delivery location (country, site) | Required delivery date | Quantity of units

Type of request: - select - | Incoterms: - select -

2. SOLUTIONS REQUESTED (tick all that apply)

- ☐ LACT / fiscal metering p.3
- ☐ Fuel gas conditioning p.4
- ☐ Pig launcher / receiver p.5
- ☐ HPU p.6
- ☐ Filtration skid (new) p.7
- ☐ Sampling skid p.3
- ☐ Water treatment p.4
- ☐ Test separator p.6
- ☐ Boiler fuel regulation p.7
- ☐ Other / custom p.8
- ☐ Chemical injection p.4
- ☐ Surge relief p.5
- ☐ Lube oil skid p.6
- ☐ Well test skid (new) p.7

3. PROCESS DATA

● Fluid / service | Density or API gravity | Viscosity

Viscosity unit: - select - | Viscosity reference temperature

	Min	Normal	Max	Unit
● Flow rate				- select -
● Operating pressure				- select -
● Operating temperature				- select -

Design pressure | Unit: - select - | Design temperature | Unit: - select -

Contaminants

- ☐ H2S
- ☐ CO2
- ☐ Sand / solids
- ☐ Water cut
- ☐ Chlorides
- ☐ Wax / paraffin
- ☐ Other

H2S content | Unit: - select -

4. SITE, PIPING, POWER AND SCOPE

Area classification: - select -
Gas group (hazardous area): - select -
Temperature class: - select -
Certification required: - select -

Ambient temperature min
Ambient temperature max
Unit: - select -

Piping class / rating: - select -
Pipe material: - select -

Codes and standards

- ☐ ASME B31.3
- ☐ ASME B31.4
- ☐ ASME B31.8
- ☐ ASME VIII Div. 1
- ☐ API 6D
- ☐ API 614
- ☐ API MPMS
- ☐ NFPA 85 / 87
- ☐ NACE MR0175 / ISO 15156
- ☐ Other (client standard)

Electrical power available

- ☐ 120 VAC
- ☐ 240 VAC
- ☐ 480 VAC three-phase
- ☐ 24 VDC
- ☐ Solar
- ☐ Diesel generator
- ☐ No power available
- ☐ To be defined
- ☐ Other

Electrical frequency: - select -

Utilities available

- ☐ Instrument air
- ☐ Fuel gas / natural gas
- ☐ Cooling water
- ☐ Hydraulic supply
- ☐ None

Instrument air pressure (with unit)
Instrument air quality: - select -

Scope you need from us

- ☐ Engineering
- ☐ Fabrication
- ☐ Instrumentation supply
- ☐ Control panel, PLC and DCS integration
- ☐ Factory acceptance test (FAT)
- ☐ Shipping
- ☐ Installation
- ☐ Commissioning and SAT
- ☐ Training
- ☐ Spare parts
- ☐ Remote support

Certificates and inspection required

- ☐ ASME U-stamp
- ☐ UL 508A / 698A panels
- ☐ ATEX / IECEx
- ☐ SIL certification
- ☐ Third-party inspection (BV, DNV, Lloyd's)
- ☐ NEMA 4X / IP66 enclosures
- ☐ Material certificates (EN 10204 3.1)

Preferred instrument brands (if any)
Painting and finish

Attachments: P&ID, specification, data sheets (list the files you will send)

SKID DATA SHEETS

Fill in only the skids you ticked in section 2

LACT data sheet

Product measured
- select -

Receipt or delivery type
- select -

Line size and rating

Number of metering runs (include spare run)

Flow per run (min / normal / max, with unit)

Meter technology preferred
- select -

Required accuracy
- select -

Measurement standard
- select -

BS&W or water cut range

Densitometer (online density meter) required?
- select -

Online BS&W or water-cut monitor required?
- select -

Sampling
- select -

Prover
- select -

Transfer or booster pump needed?
- select -

Back-pressure control required?
- select -

Flow computer and SCADA protocol
- select -

Included equipment and accessories

- ☐ Strainer or filter
- ☐ Check valve
- ☐ Pressure and temperature transmitters
- ☐ Control panel and UPS
- ☐ Air eliminator
- ☐ Double block and bleed valves
- ☐ Sample probe and receiver
- ☐ Flow control valve
- ☐ Thermal relief valve
- ☐ Transfer ticket printer

Sampling data sheet

Line size and rating

Fluid to sample
- select -

Sampling system type
- select -

Sample type
- select -

Sampler
- select -

Sample container type
- select -

Volume per sample (cc) and number of containers

Sampling frequency or batch

Fluid conditioning or mixing needed?
- select -

Sampling standard
- select -

Accessories

- ☐ Sample probe
- ☐ Flow meter on the loop
- ☐ Relief valve
- ☐ Circulation pump
- ☐ Sample cabinet or receiver
- ☐ Pressure and temperature gauges
- ☐ Static or power mixer
- ☐ Heat tracing and insulation
- ☐ Connection for online analyzer

Chemical injection data sheet

Chemical type(s) and viscosity

Number of injection points

Injection point type
- select -

Dosing rate range per point

Dosing rate unit
- select -

Injection pressure (with unit)

Pump type
- select -

Pump drive
- select -

Pump redundancy
- select -

Dosing control
- select -

Wetted material
- select -

Tank volume (and days of autonomy)

Containment or bund required?
- select -

Remote monitoring or control?
- select -

Instrumentation and protection

- ☐ Pulsation dampeners
- ☐ Back-pressure valve
- ☐ Suction and discharge pressure gauges
- ☐ Calibration column
- ☐ Flow meters per injection point
- ☐ Check valves and injection quills
- ☐ Safety or relief valves
- ☐ Strainers or filters
- ☐ Needle or isolation valve manifold

Tank accessories

- ☐ Tank level switches or transmitters
- ☐ Tank mixer
- ☐ Sun or rain canopy

Fuel gas data sheet

Gas composition (H2S, CO2, liquids)

Total demand and per consumer (with unit)

Inlet pressure range

Minimum inlet temperature (hydrates, Joule-Thomson)

Outlet pressure required

Dew point or filtration level

Consumer
- select -

Overpressure protection
- select -

Redundancy
- select -

Included equipment

- ☐ Coalescing filter or separator
- ☐ Pressure relief valve
- ☐ Flow meter
- ☐ Knockout drum
- ☐ Shut-off valve (SSV)
- ☐ Pressure and temperature transmitters
- ☐ Pressure regulator (single or two-stage)
- ☐ Heater

Water treatment data sheet

Source of water

Water analysis (TDS, hardness, etc.)

Flow rate or daily volume

Water temperature (with unit)

Application
- select -

Required output quality (turbidity, oil in water, residual chlorine)

Standard or local regulation (potable, discharge)

Storage tank required?
- select -

Booster or transfer pumps needed?
- select -

Treatment steps wanted

- ☐ Filtration
- ☐ Softening
- ☐ Demineralization or EDI
- ☐ Oil removal, hydrocyclone or flotation
- ☐ Ultrafiltration
- ☐ UV
- ☐ Deaeration (oxygen removal)
- ☐ Chemical dosing
- ☐ Activated carbon
- ☐ Reverse osmosis (RO)
- ☐ Chlorination or disinfection
- ☐ Not sure, advise me

Surge relief data sheet

Line size and rating

Line length (km or miles)

Normal and maximum flow

MAOP

Relief set pressure

Pump flow and shut-off head

Fluid and viscosity

Cause of surge (pump trip, valve closure, other)

Transient (surge) study available?
- select -

Relief solution
- select -

Discharge to
- select -

Tank or pressure vessel required?
- select -

Included equipment

- ☐ Pressure transmitters
- ☐ Isolation valves
- ☐ Pressure gauges
- ☐ Discharge flow indicator
- ☐ Control panel
- ☐ Remote alarm or SCADA signal

Pig trap data sheet

Launcher, receiver or both
- select -

Line size

Wall thickness or schedule, and end connection rating

Design pressure and temperature

Design code
- select -

Closure type
- select -

Installation
- select -

Trolley or handling system required?
- select -

Support type
- select -

Corrosion allowance
- select -

Hydrotest and NDE
- select -

Surface preparation and coating
- select -

Instrumentation required?
- select -

Major / minor barrel diameter (optional, if defined)

Optional features

- ☐ Cover davit
- ☐ Lifting lugs
- ☐ ASME and NB stamp
- ☐ Other construction code
- ☐ Prover required

Pig types to run

- ☐ Foam
- ☐ Cup
- ☐ Disc
- ☐ Cleaning (brush, mandrel)
- ☐ Smart or inline inspection

Included equipment

- ☐ Pig signaler or indicator
- ☐ Kicker line and valve
- ☐ Vent and drain valves
- ☐ Pressure gauge and safety interlock
- ☐ Key interlock system
- ☐ Isolation valves
- ☐ Support structure and platform

Test separator data sheet

Separator service: - select -
Phases: - select -
Orientation: - select -
Gas rate (with unit)
Oil rate (with unit)
Water rate (with unit)
Working pressure
Vessel code: - select -
Sand production expected?: - select -
H2S / NACE required?: - select -
Skid or trailer mounted?: - select -

Included equipment

- ☐ Coriolis or turbine meters on outlets
- ☐ Oil-water interface control
- ☐ Pressure relief valve
- ☐ Data acquisition or telemetry
- ☐ Water-cut meter
- ☐ Demister (vane pack)
- ☐ Sample points
- ☐ Level controls
- ☐ Control valves
- ☐ Heater

Lube oil data sheet

Equipment served (turbine, compressor, engine)
Oil grade: - select -
Oil flow (with unit)
Header pressure (with unit)
Reservoir volume
Cooling duty and medium (air or water, temperature)
Pump configuration: - select -
Filtration: - select -
Standard: - select -

Included equipment

- ☐ Duplex filters
- ☐ Accumulator
- ☐ Level, pressure and temperature switches
- ☐ Oil cooler (air or water)
- ☐ Rundown tank
- ☐ Control panel
- ☐ Oil heater
- ☐ Vapor or mist extractor

Hydraulic power unit data sheet

Valve type to actuate: - select -
Number and size of valves
Actuator type: - select -
Fail-safe position: - select -
Required torque or thrust (with unit)
Stroke time required (seconds)
Hydraulic fluid: - select -
Operating pressure (with unit)
Power option: - select -
Remote monitoring or control?: - select -

Options

- ☐ Hand pump for backup
- ☐ Level and temperature switches
- ☐ Accumulators for fail-safe stroke
- ☐ Pressure transmitter
- ☐ Filters
- ☐ ESD solenoid valves

Boiler regulation data sheet

Equipment type
- select -

Capacity (MMBtu/h or kW)

Number of burners and turndown

Fuel (type, heating value, H2S)

Inlet pressure range

Burner pressure required

Flow range

Standard
- select -

Safety shut-off or metering required?
- select -

Included equipment

- ☐ Pressure regulator
- ☐ Vent valve between shut-off valves
- ☐ Flow meter
- ☐ Pressure transmitters
- ☐ Slam-shut or shut-off valve
- ☐ Filter or separator
- ☐ Burner management system (BMS)
- ☐ Double block and bleed
- ☐ Pilot gas train
- ☐ High and low gas pressure switches

Well test skid data sheet NEW · ENGINEERED TO ORDER

Number of wells to test

Measurement approach
- select -

Expected rates: oil, gas, water (with unit)

GOR and water cut range

Wellhead and test pressure

Wellhead connection size and rating

Production destination after test
- select -

H2S or sour service?
- select -

Skid or trailer mounted?
- select -

Remote data or telemetry?
- select -

Included equipment

- ☐ Choke manifold (fixed or adjustable)
- ☐ Water-cut meter
- ☐ Data acquisition
- ☐ Indirect line heater (hydrates)
- ☐ Sample points
- ☐ Coriolis or turbine meters
- ☐ Heater

Filtration skid data sheet NEW · ENGINEERED TO ORDER

Fluid to filter
- select -

Filtration rating (micron)
- select -

Rating basis
- select -

Solids load

Allowable pressure drop (clean and dirty)

Required cleanliness (ISO 4406, lube or hydraulic oil)

Vessel code
- select -

Redundancy
- select -

Cleaning method
- select -

Filter type

- ☐ Basket strainer
- ☐ Coalescer (gas: ISO 12500)
- ☐ Cartridge
- ☐ Bag

Included instruments

- ☐ Differential pressure gauge or transmitter
- ☐ Relief valve
- ☐ Isolation and bypass valves
- ☐ Control panel
- ☐ Vent and drain valves

OTHER / CUSTOM SKID

What the skid must do (process description)

Inlet and outlet conditions

Main equipment you expect

Sketch, P&ID or photo attached? (list)