Valloourec Global Solutions

Tubular Solutions from conception to completion
Vallourec offers a comprehensive range of innovative solutions in addition to premium OCTG products.

These solutions are designed to meet your most challenging needs, from technical support to supply chain management and field services.
Qualify your team with best-in-class education on tubular products from conception to completion.

Your benefits

→ Well integrity
   - Fully understand tubular properties for a safer choice.
   - Learn best practices through case studies.

→ Cost optimization
   - Learn how to choose the most suitable material and connections.
   - Assimilate the appropriate storage and handling methods avoiding deterioration and damages.

→ Safer operations
   - Discover the best and safest tubular handling and installation techniques.

Tailor-made programs from 2 to 5 days onsite or in our facilities

Selection from more than 50 hours of high level content

Expert instructors

Plant tours (according to location and availability)

Manufacturing

OCTG selection guide

Design of pipes and connections

Case studies and plant tours

Commercial and procurement concepts

Running and Handling

Focus on drilling products

VAM® is a registered trademark of Vallourec Oil and Gas France. For more information, please contact your Vallourec representative.
Optimize your well design and enhance your well integrity.

Your benefits

→ Well design optimization
  - Benefit from our experience on the most challenging projects.
  - Get access to non standard dimensions, proprietary grades and connections.
  - Optimize the wall thickness of all your casing strings.

→ Well integrity
  - Optimize annular clearance for successful cementing jobs.
  - Choose and validate connections in accordance with your well conditions.

→ Cost optimization
  - Select cost effective material for your well.
  - Reduce string weight and steel quantity.
  - Ensure standard drift / bit size.

Well Design

Material selection
- Extensive pipe and material data
- Expertise in corrosion and corrosion resistant grades
- Selection of the most suitable grades based on your well conditions and project targets

Conventional casing design
- Using industry standard well design software
- Deep knowledge of the tubular products and manufacturing
- Expertise in VAM® premium connections development and testing

Advanced casing design
- Including thermal analysis
- For the most critical projects (HP/HT, deepwater, etc.)
- R&D support available

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A dedicated offer for your most demanding applications.

- **Dedicated R&D and testing capacities**
  - For premium materials
  - For premium connections
  - For drilling and completion accessories
  - Corrosion testing and connection qualification according to ISO 13679 (incl. 2011 version)
  - FEA simulations
  - Joint R&D programs to develop materials, connections and accessories adapted to actual well conditions

- **Offer by application**
  - Innovative, integrated solutions including products and services
  - Fit-for-purpose products for technically demanding challenges
  - Material selection and recommendation on handling and storage
  - Optimized choice of connection from the VAM® family
  - Customer-driven solutions

- **Dedicated support**
  - Global network of VAM® technical experts
  - 24/7 on-line support through Mr. Help
    
    www.vamservices.com

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**Your benefits**

- **Well integrity**
  - Strong field records.
  - Extensive testing data.
  - Best in class recommendations for your application.

- **Efficiency**
  - Close relationship from the early stages of your projects.
  - Integrated offer with project management approach.

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Make to order
- Customized products with standard lead time

Fast Track
- Customized products with a committed 12 weeks (carbon) or 15 weeks (13Cr) ex-works delivery time
- Carbon casing, carbon tubing and 13Cr tubing
- Third party inspection (TPI) upon request

VAM® Stock
- Standard products with a committed 2 weeks ex-stock delivery time
- Carbon casing and tubing

Your benefits

→ Single interface
- Sole flexible supplier for all required lead times.

→ Well integrity
- Priority to both lead time and quality.
- Fast Track: Premium customized products - TPI available.
- VAM® Stock: Premium standard products - Vallourec storage & handling standards.

→ Cost optimization
- Reduce inventory capital.

Freight forwarding
- Shipping solutions
- Shipment consolidation
- Customs clearance
- Loading supervision

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Stock management
- Consigned stock options
- Vendor-managed inventory (VMI)
- Collaborative planning

Total Tubular Management
- Customs clearance and document control
- Product preservation and quality control
- Inventory control
- Stock taking

Consultancy service
- Audit and best practices
- Stockyard design
- Logistics survey

Your benefits

→ Single interface
- Complete service integration: one supplier, one invoice.
- Dedicated focal point 24/7.
- Mill to well, tailor-made solutions.

→ Well integrity
- Best practices guaranteed and QHSE focus.
- OCTG stockyard management expertise.
- Complete product tracking.

→ Cost optimization
- Reduce or eliminate surplus and waste.
- Reduce overall operating costs.
- Optimize inventory capital.

Optimize your inventory capital and storage conditions.

Stock Management

Optimize your inventory capital and storage conditions.

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Coordinate well components delivery with maximum efficiency.

Your benefits

➡️ Single interface
- Streamline communications.
- Synchronize deliveries with drilling schedule.
- Responsive to operational changes.

➡️ Well integrity
- Connection expertise.
- Inspection expertise.
- Best practices guaranteed.

➡️ Cost optimization
- Economy of scale benefits.
- Reduce QHSE risk.
- Minimize need for deck space on rig.

OCTG management
- Rig ready inspection
- Rig preparation
- Repair coordination

アクセスories management
- Manufactured to well schematics
- Stocking of accessories
- Threading services
- Repair coordination

Assembly make up and testing
- Coordination of all components to point of assembly
- Make up of assembly
- Testing of assembly
- Verification and traceability of components

Logistics
- Delivery coordination
- Management of offshore basket rental
- Rig returns management (tubulars and accessories)

Well Coordination

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Ensure well components’ homogeneous quality to improve your well integrity.

- **VAM® Accessories manufacturing**
  - Casing Accessories
  - Field running accessories
  - Completion accessories

- **Threading VAM® on components**
  - Completion equipment
  - Improve interface with hanger
  - Float equipment

- **Tailor-made solutions**
  - R&D support to assess technical challenges
  - Tailor-made design
  - Finite Element Analysis (FEA)

- **Loose couplings**
  - For isolated coupling needs

- **List of typical parts:**
  - Pup, saver sub, nipple, wire line re-entry guide, mule shoe, test cap / test plug, circulating head, flow coupling, flo-pup®, blast joint, cross-overs, lifting equipments, pump-in sub.

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**Your benefits**

- **Well integrity**
  - Homogeneity of performances into the well.
  - No compromise between quality and short lead time.
  - Vallourec expertise on VAM® and metallurgy.
  - Tailor-made solutions.

- **Single interface**
  - Sole supplier for complete project schedule.
  - Worldwide sales and industrial coverage.

- **Cost optimization**
  - Strategic mill sourcing.
Provide best-in-class services for inspection, running and make-up supervision.

An international network of over 160 qualified field service engineers in 11 service centres

Expertise in all field aspects of OCTG and the VAM® family of connections
- Rig preparation of tubulars
- Running supervision
- Rig return inspection
- Assembly make-up and supervision
- Audit and advices pertaining to VAM® best practices
- Fit for purpose supervision

Available on call-off basis for “spot jobs” or full time basis at customer’s location for a 24/7 support

Strong experience of VAM® Field Service engineers
- Extensive training program (VAM® Academy)
- Regular competency assessments using OPITO methodology
- Support from the VAM® Research & Development teams
- Direct interface with the whole VAM® experts

Your benefits

→ Well integrity
- Best running practices ensured through VAM® Field Procedures.
- Avoid rejects coming from bad field practices (handling damages...).
- Make-up graph interpretation experts: detect suspicious make-up and identify root cause.

→ Cost optimization
- Save rig time by prevent damaged connections reaching drill floor.
- Prevent damages during handling operations.
- Less rejects thanks to expert inspection and light repairs.

→ Safer operations
- Focus on safe installation of critical barriers against well pressures.
- Increase safety of operations by reducing the quantity of pipes handled.

VAM® is a registered trademark of Vallourec Oil and Gas France. For more information, please contact your Vallourec representative.
Ensure unique quality standards worldwide for VAM® threads manufacturing and make-up.

- Premium quality network
  - Annual audit of each licensee
  - Licensor Technical Representative (LTR) presence at licensee shop at customer’s request
- Extensive product & geographical coverage
  - Largest licensee network
  - Proximity to your operations
- Partnership with Oilfield Service companies
- Technical support management
  - VAM® Schools at licensees’ facilities
  - Mr Help for all users

Visit us at: www.vamservices.com

Your benefits

→ Well integrity
  - Assurance of unique quality standard worldwide for VAM® threads:
    - On pipe (tubing and casing)
    - On accessories

→ Cost optimization
  - Reduce the need for cross-overs by using VAM® pipe and VAM® Accessories.
  - High reactivity of VAM® licensees due to the proximity to your operations.
  - Two product lines in one network: OCTG & Drilling products..
World Leader in Premium Tubular Solution

Get the Vallourec Oil & Gas mobile app.

For further information on our connections, please visit our website www.vallourec.com/OCTG

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