



Well Intervention and Stimulation Equipment

ABOUT US

FIDMASH is leading well intervention and stimulation equipment manufacturer in Commonwealth of Independent States (CIS). Our main activity is design and production of oil and gas equipment, in particular Coiled Tubing, Hydraulic Fracturing and Cementing equipment.

Since 1999 FIDMASH project has kicked off with a first local built Coiled Tubing unit, followed by 25 years of successful production of different types Coiled Tubing equipment. In 2003 FIDMASH started production of Hydraulic Fracturing and Cementing equipment.

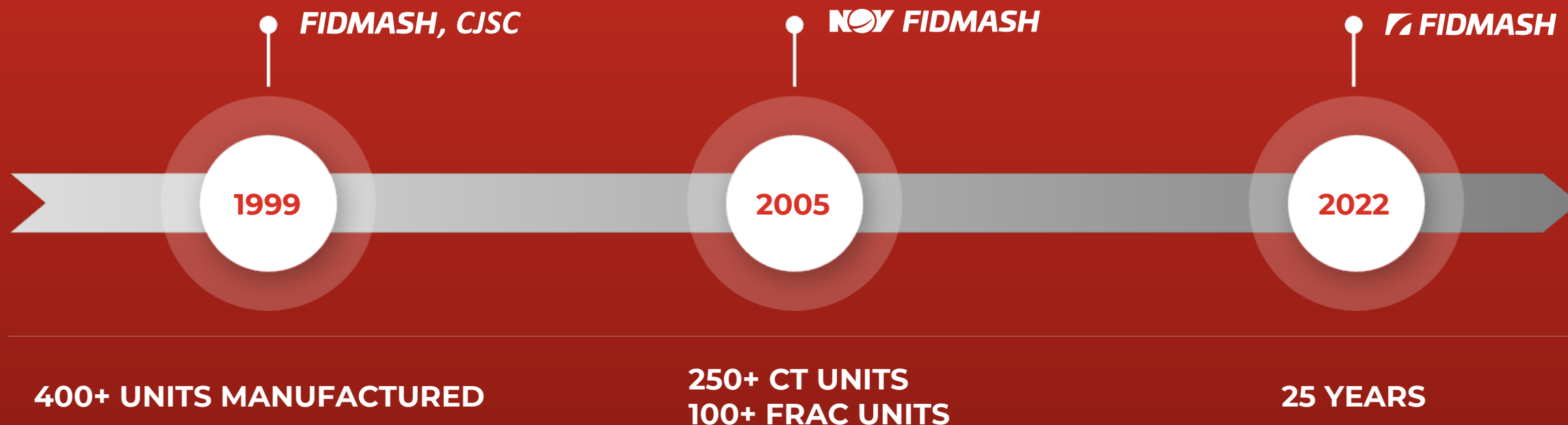
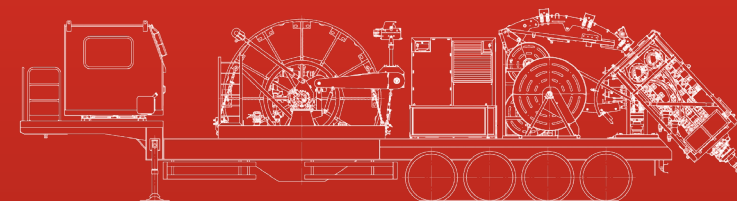
FIDMASH product range is constantly expanding. All our products are the result of in-house engineering R&D, which ensures high technical level, top quality and proven equipment efficiency.

FIDMASH products are built on the basis of global chassis manufacturers, semi-trailers, and also by customer request in skidded version for offshore platforms suitable for helicopter delivery. FIDMASH product development embraces the operational experience of recognized oil and gas services industry leaders.



OUR STORY

FIDMASH project started in 1999 with foreign equipment localization for Russian NOCs. CJSC FIDMASH was established in 2001 as a specialized design and production enterprise. By the end of 2005, National Oilwell Varco (NOV), a world's leader of oilfield equipment manufacturing became the main shareholder of FIDMASH. In 2022 FIDMASH became independent private company.



FIDMASH COMPANIES

FIDMASH CJSC carries out a full cycle of equipment creation: development of design documentation, production of prototypes, launch into mass production, testing, maintenance, training of maintenance personnel and supply of spare parts. Experienced team of 250 employees is running development, manufacture and maintenance of manufactured equipment in production facilities located in the Republic of Belarus and the Russian Federation:

- **Assembly and testing plant FIDMASH is located in Minsk, Republic of Belarus. Engineering, Supply chain, Sales, Finance and Management functions are located here as well. Full assembly cycle including programming and testing on own well is made in this facility, which allows real well job conditions simulation.**
- **Machining and heat treatment facility NOVMAH is located, Vitebsk, Republic of Belarus. Own machining production with a large machine park (35 machines) allows to produce a full cycle of metal machining, respectively, to control the quality of the equipment supplied for own needs and address quality risks from third-party suppliers.**
- **Service and assembly division FIDSERVICE is located in Russian Federation, Moscow, compete with a service center and a spare parts warehouse in Surgut.**
- **Service and manufacturing facility FDM OILFIELD SOLUTION is being established in JAFZA, UAE. This division is aimed to manufacture and supply equipment for Middle East and North Africa, India and Asia regions.**



SHAREHOLDERS



 **FIDMASH**

DESIGN & MANUFACTURING FACILITY
GM ALEXANDER RAYKHLIN



 **FIDSERVIS**

SERVICE & MANUFACTURING FACILITY
GM VADIM KUKHAREV



 **NOVMASH**

**IN-HOUSE MACHINING / PRESSURE
CONTROL EQUIPMENT FABRICATION**
GM SIARHEI RULIOU



 **FDM OILFIELD
SOLUTION**

**SERVICE & MANUFACTURING FACILITY...
IN PROGRESS**
GM VICTOR ERCHENKO

OUR VISION

To Provide The Best And Optimal Solutions
For Our Client's Well Intervention And
Stimulation Business



OUR STRENGTHS

- Top Industry Quality and Manufacturing Standards
- Intervention and Fracturing Equipment Subject Expert
- Quality Management System certified to ISO 9001:2015 (2024) and API specification Q1 (2020)
- Excellent Aftermarket Support
- Digitalization and Automation
- Efficient Equipment Refurbishment
- Individual Customer Focus

**GLOBAL
EXPERTISE
25 YEARS /
400+ UNITS**

**BRING IT
BACK TO
LIFE**

**FAST
RESPONSE**

**NEVER TOO
SMALL OR TOO
LARGE
PROJECTS**

**INNOVATIVE
EQUIPMENT**

MANUFACTURING EXPERTISE

Our production facilities allow for the following technological operations:

/01 Assembly of equipment and units, function and pressure testing

/02 Bending, cutting, welding operations

/03 CNC Machining (turning, boring, milling, drilling and other groups of equipment)

/04 Heat treatment

/05 Control software design, installation and support

/06 Assembly of hydraulic and electric control circuits

/07 Sandblasting and painting

/08 Packing, labeling, shipments worldwide

COMPLETE PRODUCT LIFECYCLE MANAGEMENT

- Continuous Equipment Improvement
- SQ Management (API and ISO 9001:2015)
- 24/7 Client Field Support
- Experienced Service Team
- Emergency Parts Stock



MANUFACTURING



AFTER SALES SUPPORT



DESIGN



FULL SCOPE TESTING



EVALUATION & UPGRADE

SALES GEOGRAPHY

COUNTRIES

- Russia
- Belarus
- Kazakhstan
- Turkmenistan
- Azerbaijan
- Uzbekistan
- Egypt
- Iraq
- Libya
- Tunisia

KEY CLIENTS

Oil Operators

- Lukoil
- Gazprom
- Rosneft
- Surgutneftegaz
- Tatneft
- Irkutsk Oil Company
- Bashneft
- Belorusneft
- Turkmengaz
- Turkmenneft

Private

- Schlumberger
- Baker Hughes
- Weatherford
- FracJet-Volga
- Veteran
- GIS Nefteservice
- Packer Service
- MeKaMineft
- KNGF



COILED TUBING EQUIPMENT



Entire Coiled Tubing fleets of equipment include Coiled Tubing units, Pressure Control Equipment, Injector Heads, Nitrogen and Pumping units, as well as auxiliary equipment. We have practical solutions and can offer wide range of coiled tubing equipment taking into account market demands, body load, trailer and skid mounted units for heavy off road conditions, including offshore platforms, also we have equipment design suitable for helicopter transportation.

FIDMASH Coiled Tubing units are designed and manufactured to your requirements, optimal specifications, tailored to the latest technology and perspective equipment and technology trends.

Light Class Coiled Tubing Units for operation on shallow wells and logging



MK10T	
Transport base	Truck chassis 6x6
Max injector pull	26,500 lbs
Max wellhead pressure	15,000 PSI
Max CT diameter	1-1/2"
CT reel capacity for 1-1/2" CT	8,300 ft

Medium Class Coiled Tubing Units for operation on average depth wells



MK20T		
Transport base	Truck chassis 8x8	
Max injector pull	60,000 lbs	
Max wellhead pressure	15,000 PSI	
Max CT diameter	1-3/4"	
CT reel capacity	1-1/2" CT	12,500 ft
	1-3/4" CT	9,850 ft

Heavy Class Coiled Tubing Unit for operations on average and deep wells.
Can be used for laterals drilling and hydraulic fracturing operations

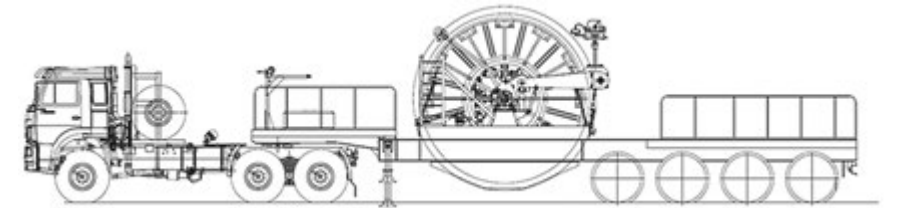
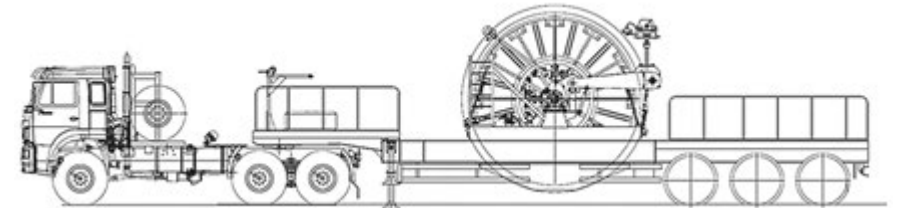
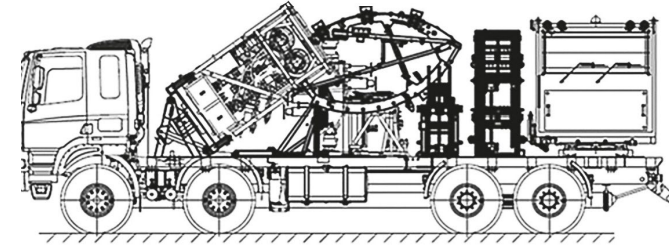


		MK30T-10	MK30T-50	MK40T-20
Transport base		Truck chassis 10x10	Truck chassis 10x10	Truck chassis 10x10
Max injector pull		60,000 lbs	80,000 lbs	100,000 lbs. / 120,000 lbs
Max wellhead pressure		15,000 PSI	15,000 PSI	15,000 PSI
Max CT diameter		2 “	2 “	2-3/8”
CT reel capacity	1-1/2” CT	18,050 ft	23,300 ft	
	1-3/4” CT	13,450 ft	18,050 ft	23,300 ft
	2” CT	8,860 ft	12,500 ft	17,700 ft
	2-3/8” CT			11,800 ft

Extra Heavy Double Vehicle Coiled Tubing Unit



Extra heavy mobile coiled tubing units for larger tubing diameter can be realized on double transport base only. In this case the truck chassis holds hydraulic station, control cabin, up to 140K injector head with gooseneck, pressure control equipment. Together with this body load set can go various reel trailers for CT diameter from 2" to 2-7/8". It will be 3-axle semitrailer for 21,050 ft of 2" coiled tubing and 4-axle semitrailer for 18,050 ft of 2-7/8" coiled tubing. Hydraulic reel raise can be included for better road clearance. Also, such semitrailers can have drive and steering axles.



Coiled tubing units are designed for round-trip technological operations with steel coiled tubing (CT) for capital and current well repair, oil and gas well stimulation, capable of operation on offshore platforms (cleaning out of hydrate, paraffin, sand sediments, acid treatment of bottom hole etc.) without killing the well under pressure on sealed wellhead.



	MK30M	MK40M	MK60M
Max injector pull	80,000 lbs	100,000 lbs / 120,000 lbs	140,000 lbs
Max wellhead pressure	up to 15,000 PSI		
Max CT diameter	2"	2-3/8"	2-7/8"
CT reel capacity	customer specified		

FIDMASH injector heads are highly reliable and capable of operation in hard oilfield conditions. Injector heads can be purchased with coiled tubing unit or separately for a replacement



	M10A.51	FM227	FM236	FM245 / FM254	FM263
Max injector pull	26,900 lbs	60,000 lbs	80,000 lbs	100,000 lbs / 120,000 lbs	140,000 lbs
Max snubbing force	20,200 lbs	30,000 lbs	40,000 lbs	50,000 lbs / 60,000 lbs	70,000 lbs
CT diameter	3/4" – 1-3/4"	1-1/2" – 2"	1-1/2" – 2-3/8"	1-3/4" – 2-7/8"	2" – 3-1/2"

We offer coiled tubing auxiliary nitrogen units for well repair and completion operations



	A100-20	A100-60	A100-50	A300
Transport base	Semitrailer	Skid mounted	All-wheel drive chassis 8x8 or 10x10	Semitrailer
Max working pressure	10,000 PSI	10,000 PSI	10,000 PSI	15,000 PSI
Max rate	180,000 SCFH"	180,000 SCFH	180,000 SCFH	640,000 SCFH
Gaseous N2 purity	99,9%	99,9%	99,9%	99,9%
LiN tank	3000 USG	3000 USG	2000 USG	none
Weight of filed liquid nitrogen	19,180 lbs	19,180 lbs	15,870 – 19,180 lbs	

H504 Fluid Pump units serve for paraffin removal, cleanout of frozen pipelines and other technological operations requiring heated fluids. Optionally this unit can be equipped with air compressor for discharge line blowing out after the fluid operation.



H504

Transport base	All-wheel drive chassis 6x6 or 8x8 / skids / semitrailer
Power	600 h.p.
Max working pressure	15,000 PSI
Max flowrate (with 2.75" plunger)	730 liters / min
Heating power of fluid heater	up to 1.2 MWt
Displacement tank	2 x 2 000 liters

Fluid Pump Units / Cementing Pump Units

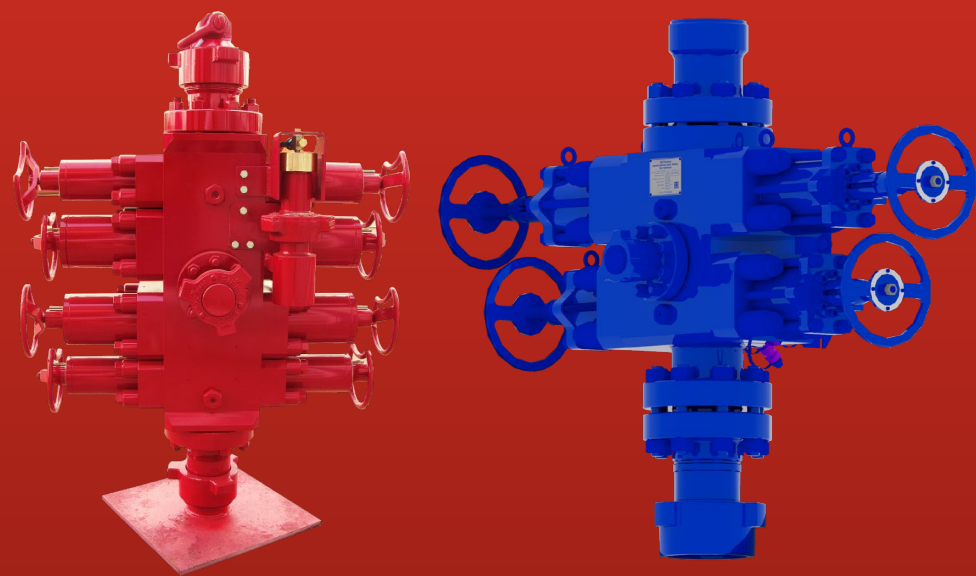
FIDMASH cementing pump units are designed for automatic mixing of cementing solutions and supply under pressure into the well during drilling and workover operations. The unit can be used for other well stimulation and pumping jobs.



HC1000

Transport base	All-wheel drive chassis 8x8 or 10x10
Deck engines	2 x 400 h.p.
High-pressure pump	2 ea.
Max working pressure	15,000 PSI
Max flowrate	3 m ³ / min
Density of mixed slurry	1 – 2.7 g / sm ³
Mixing speed	0 – 1.9 m ³ / min
Mixing tank capacity	1 500 liters
Displacement tank	2 x 2 000 liters

Quad and Dual Combi blowout preventers (BOPs) is designed for sealing the wellhead during CT roundtrip operation, avoiding and liquidation of oil and gas fountain, environment protection and safe operating conditions on the wellhead. Can operate with CT up to 3-1/2" at 15,000 PSI wellhead pressure. The BOP can operate with or without tubing inside, can hand the string on rams and keep it from blowout under wellhead pressure.



	BP80-70	BP100-70	BP100-105
Inside diameter	3.06"	4.06"	4.06"
Max working pressure	10,000 PSI	10,000 PSI	15,000 PSI
H2S service	K2 (up to 6% H2S)	K2 (up to 6% H2S)	K2 (up to 6% H2S) K3 (up to 25% H2S)

Coiled tubing side-door and two-doors stripper designed for sealing the wellhead during CT roundtrip operation. Can operate with CT up to 3-1/2" at 15,000 PSI pressure. CT Stripper provides wellhead sealing only with tubing in it.



	GT80-70	GT100-70	GT100-105
Inside diameter	3.06"	4.06"	4.06"
Max working pressure	10,000 PSI	10,000 PSI	15,000 PSI
H2S service	K2 (up to 6% H2S)	K2 (up to 6% H2S)	K2 (up to 6% H2S) K3 (up to 25% H2S)

HYDRAULIC FRACTURING EQUIPMENT

We offer full range of equipment for hydraulic fracturing of formation: frac pump units, blenders, hydration units, manifold units, sand feeders, heaters, chemical add units, data vans. We have practical design and can offer equipment mounted on truck chassis, semitrailers or skid based for operation in hard to access locations, including offshore platforms, and designed for helicopter transportation.



FIDMASH Frac pump units are designed to pump various technological fluids into the well during fracturing operations on oil and gas wells together with frac fleet of equipment. It can also operate autonomously for washout, hydraulic sand jet jobs and well pressure testing.



H2501	
Transport base	Truck chassis / semitrailer / skids
Engine power	2 500 h.p.
Max working pressure	18,000 PSI
Max flowrate	5 200 liters / min

Sand Feed units are designed for transportation and high-speed supply of sand materials (sand, proppant etc.) from the units' bin into blender accepting device during fracturing operation on oil and gas wells



	T-40	T-100	T-150
Transport base	Truck chassis 8x8 / semitrailer	Semitrailer	Semitrailer
Bin capacity	22 m ³	48 m ³	76 m ³
Load capacity	40 tons	100 tons	150 tons
Unloading speed	5 m ³ / min	5 m ³ / min	5 m ³ / min
Angle of raise	max 43-45°	Conveyor	Conveyor

FIDMASH Blender units are designed for continuous preparation of technological fluids and mixtures with proppant with setconcentration: dry proppant, liquid and dry chemical agents, - and following supply of the fluid to frac pump units duringfracturing operations.



MC600	
Transport base	Truck chassis / semitrailer / skids
Quantity of augers	3 ea.
Max speed of proppant feed	12 tons / min
Mixing tank	Open / closed
Max flowrate	24 m³ / min
Max concentration	2,4 tons / m³

FIDMASH Data Vans are designed for control of fracturing operation process with max 16 frac pump units, two blenders, one hydration unit and one chemical add unit, setting of operating parameters and record of operating data in the process. Data Van cabin is not designed for transportation of people.



Data Van	
Transport base	Truck chassis 8x6 / 8x8 / skids
Generator	Max 30 kWt

FIDMASH Hydration units are designed for water-based gel preparation from dry or liquid gelling agent right in the process if fracturing job.



MH25	
Transport base	Truck chassis / semitrailer / skids
Flowrate	6,8-9 m ³ / min (with 3 minutes hydration time)
Type of gelling agent	dry / liquid
Hydration tank capacity	27 m ³
Liquid gelling agent tank capacity	2 x 2 000 liters
Dry gelling agent tank capacity	3 m ³

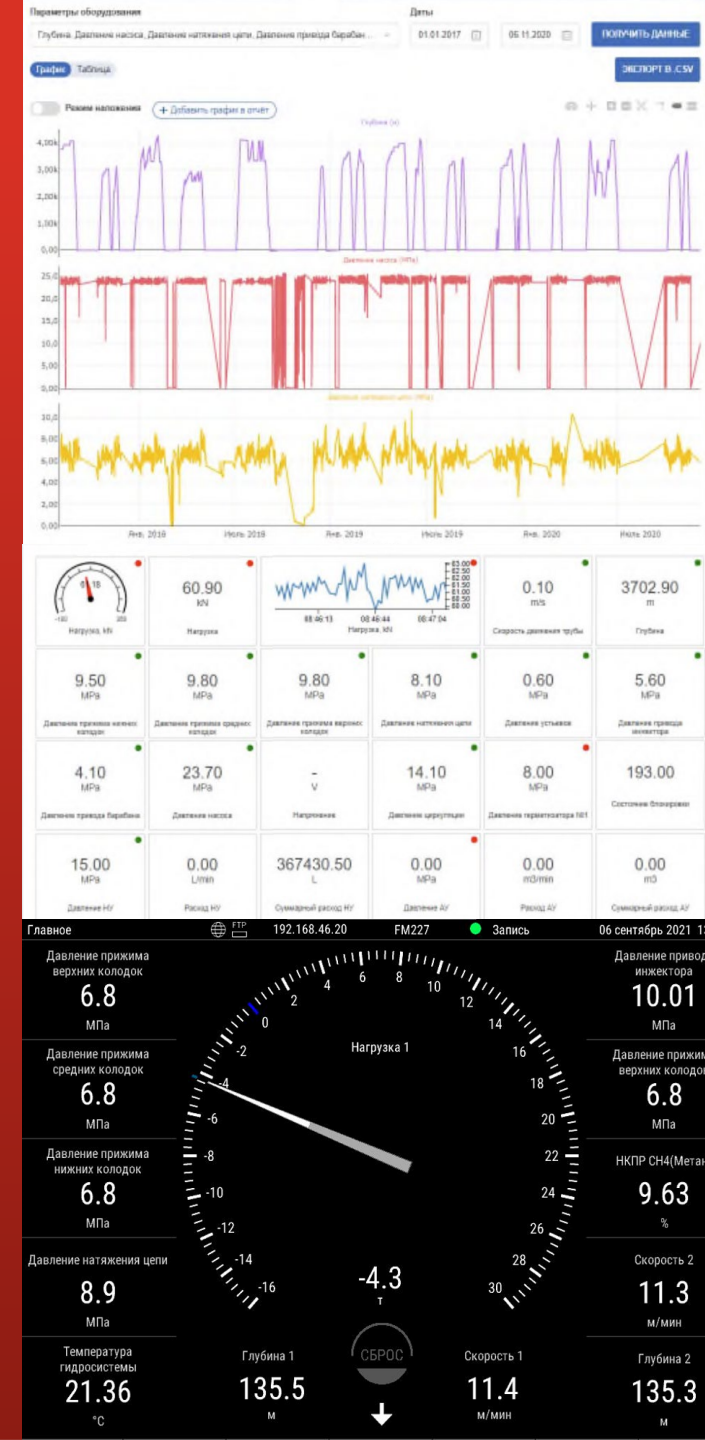
FIDMASH Manifold units are designed for layout, transportation and installation of equipment which serves for low-pressure and high-pressure plumbing for blenders, hydration and frac pump units during fracturing operation on oil and gas wells.



MT4 (-6)	
Transport base	Truck chassis 8x6 / 8x8 / skids
Quantity of connected frac pump units	up to 16 units
Crane	Manipulator crane / winch

Digitalization and Automation

FIDMASH has developed and implemented a full range of management and data acquisition systems for hydraulic fracturing and coiled tubing fleets. Advanced automation ensures the safety, ergonomics and increased service life of the equipment. Cloud services allow remotely monitor operation parameters and operate the equipment



KEY PROJECTS SUPPLIED

Year	Client	Units supplied	Project
2012	Tatneft	11 Units	Fracturing fleet
2012-2013	Türkmengaz	3 Units	Coiled Tubing and pumping equipment
2012-2013	Turkmenneft	4 Units	Coiled Tubing and pumping equipment
2004-2019	Schlumberger	33 Units	Fracturing equipment
2005-2019	Schlumberger	9 Units	Coiled Tubing and pumping equipment
2015-2016	TagraS-RemService	9 Units	Fracturing fleet
2011-2018	Packer Service	10 Units	Coiled Tubing euipment
2013-2022	MeKaMineft	12 Units	Coiled Tubing and pumping equipment
2013-2023	Veteran	10 Units	Coiled Tubing and pumping equipment
2020-2021	Surgutneftegas	21 Units	Coiled Tubing and pumping equipment
2020	Surgutneftegas	7 Units	Fracturing equipment
2012-2024	KNGF	11 Units	Coiled Tubing and pumping equipment
2023-2024	FracJet-Volga	9 Units	Coiled Tubing and pumping equipment