

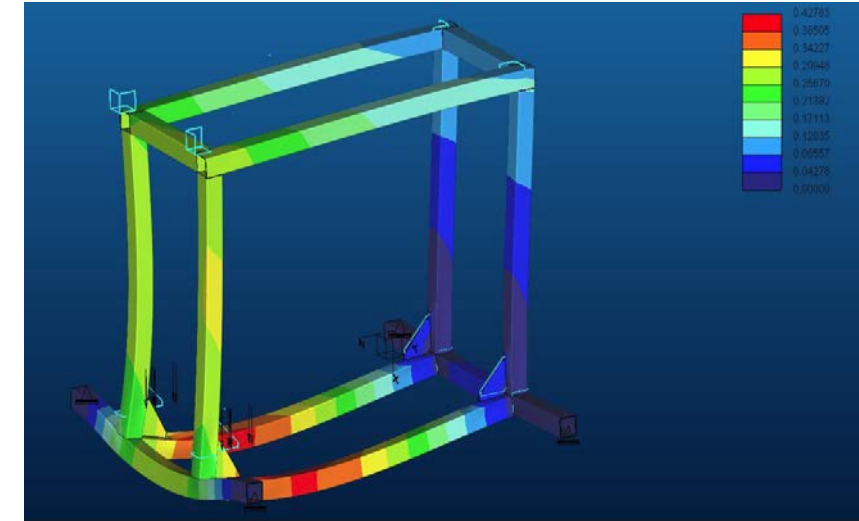
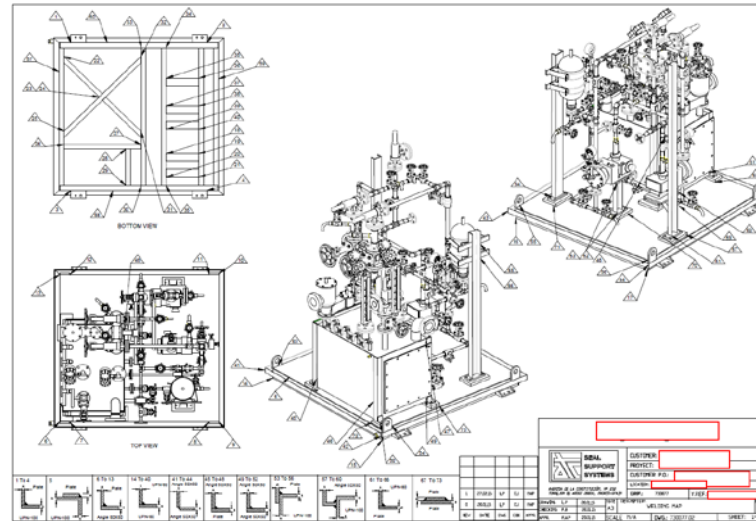
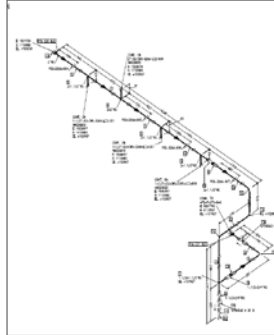
ENGINEERING CAPABILITIES

Basic design

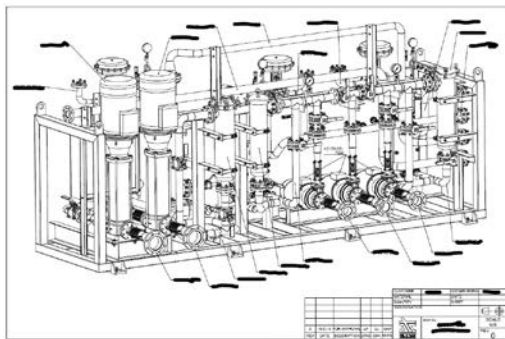
CALCULATION

Components selection

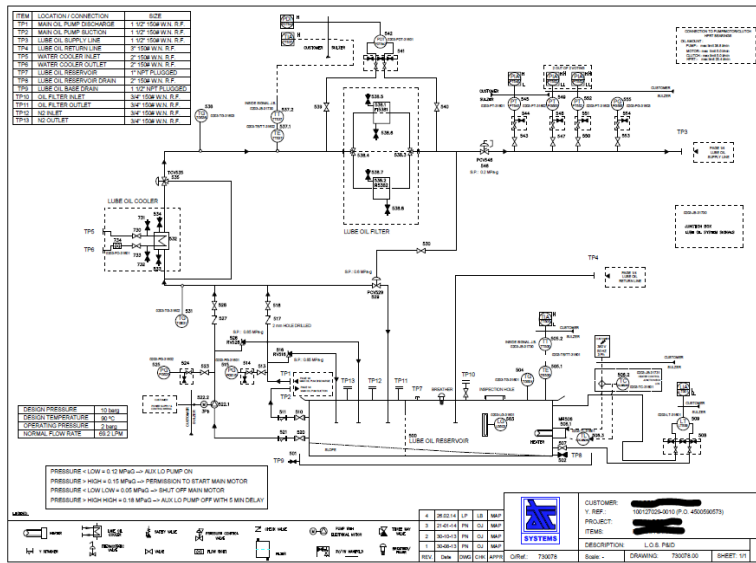
manufacturing



ITEM	LOCATION	CONNECTION	SIZE
170	MANUAL PUMP	1" TOP TO MAIN R.P.	
171	MANUAL PUMP	1" TOP TO MAIN R.P.	
172	MANUAL PUMP	1" TOP TO MAIN R.P.	
173	MANUAL PUMP	1" TOP TO MAIN R.P.	
174	MANUAL PUMP	1" TOP TO MAIN R.P.	
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199	MANUAL PUMP	1" TOP TO MAIN R.P.	
200	MANUAL PUMP	1" TOP TO MAIN R.P.	



Calculation report
June 2022 - 1.01.2022 - Memo 010

Project: [Redacted]
Client: [Redacted]
Drawing: [Redacted]
Revision: [Redacted]

Technical design pressure: 40.00 bar
Design temperature: 150.00 °C
Material: [Redacted]
Design stress: 150.00 MPa
Design efficiency: 0.85
Design factor: 1.50

Maximum design pressure: 40.00 bar
Maximum design temperature: 150.00 °C
Maximum design stress: 150.00 MPa
Maximum design factor: 1.50

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Pressure report (bar)

Component	Design pressure	Max. stress	Min. stress	Factor
Design stress	40.00	40.00	40.00	1.00
Design stress (max)	40.00	40.00	40.00	1.00
Design stress (min)	40.00	40.00	40.00	1.00
Design stress (avg)	40.00	40.00	40.00	1.00
Design stress (std)	40.00	40.00	40.00	1.00
Design stress (var)	40.00	40.00	40.00	1.00
Design stress (cov)	40.00	40.00	40.00	1.00
Design stress (corr)	40.00	40.00	40.00	1.00
Design stress (res)	40.00	40.00	40.00	1.00
Design stress (tot)	40.00	40.00	40.00	1.00

Maximum Pressures (bar)

Component	Max. pressure	Min. pressure	Factor
Design stress	40.00	40.00	1.00
Design stress (max)	40.00	40.00	1.00
Design stress (min)	40.00	40.00	1.00
Design stress (avg)	40.00	40.00	1.00
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Design stress (var)	40.00	40.00	1.00
Design stress (cov)	40.00	40.00	1.00
Design stress (corr)	40.00	40.00	1.00
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Design stress (tot)	40.00	40.00	1.00

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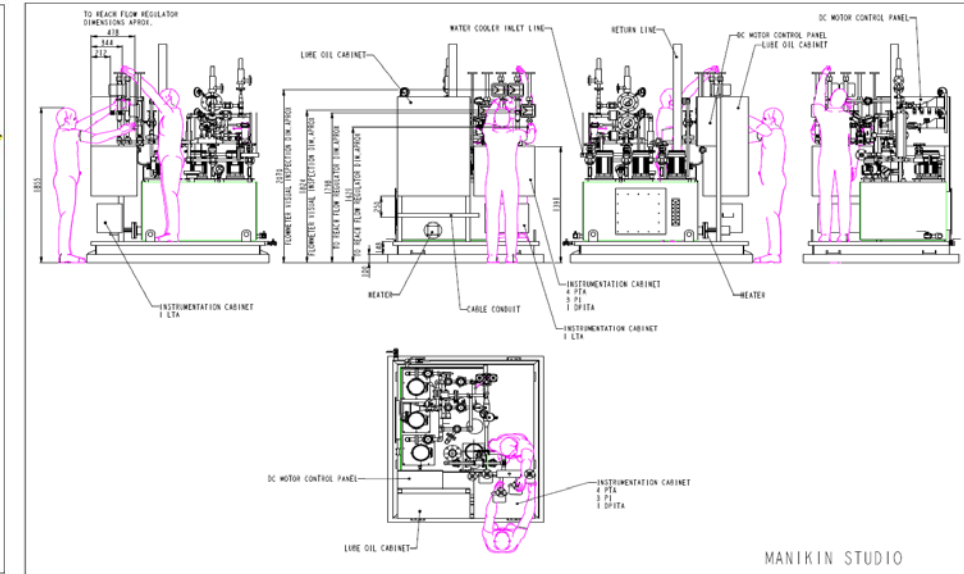
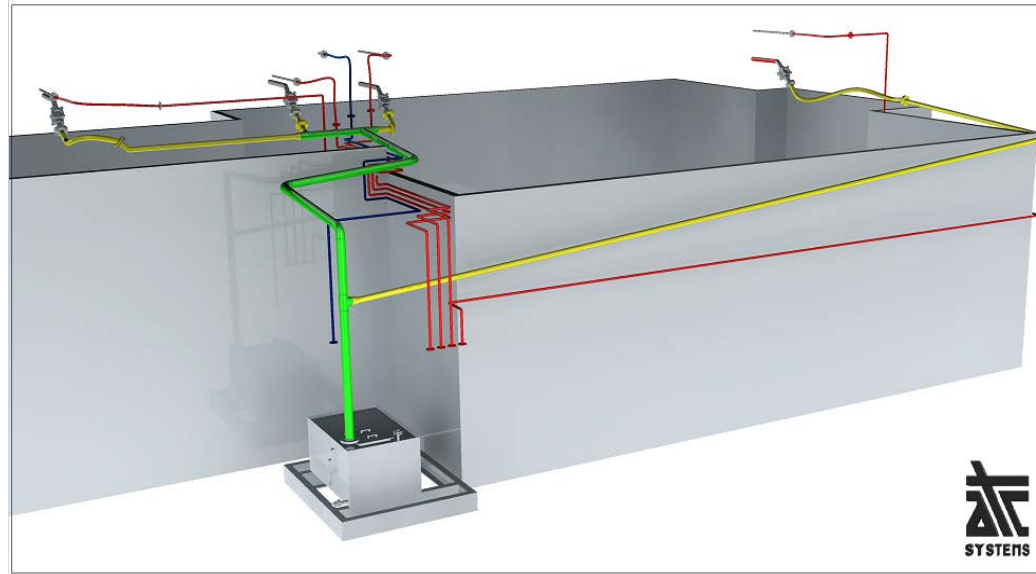
ENGINEERING CAPABILITIES

User experience

Maintenance study

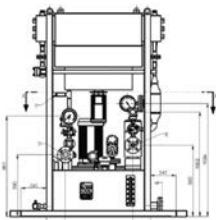
Operating handling

Manuals & Training



Item	Description	Quantity	Unit	Material
1	Hydraulic unit	1	PC	Aluminum
2	Flow regulator	1	PC	Aluminum
3	Oil cabinet	1	PC	Aluminum
4	Instrumentation cabinet	1	PC	Aluminum
5	Motor control panel	1	PC	Aluminum
6	Heater	1	PC	Aluminum
7	Cable conduit	1	PC	Aluminum
8	Return line	1	PC	Aluminum
9	DC motor control panel	1	PC	Aluminum
10	DC motor control panel	1	PC	Aluminum
11	DC motor control panel	1	PC	Aluminum
12	DC motor control panel	1	PC	Aluminum
13	DC motor control panel	1	PC	Aluminum
14	DC motor control panel	1	PC	Aluminum
15	DC motor control panel	1	PC	Aluminum
16	DC motor control panel	1	PC	Aluminum
17	DC motor control panel	1	PC	Aluminum
18	DC motor control panel	1	PC	Aluminum
19	DC motor control panel	1	PC	Aluminum
20	DC motor control panel	1	PC	Aluminum

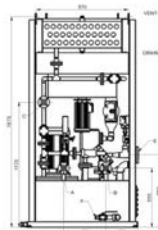
3.6 Front view 1 of the hydraulic unit



Proyecto: Manual de Mantenimiento, Tercer Edición - Parte 1 - Sección 1 - Página 10 de 10 - Cód. 10000000



3.7 Front view 2 of the hydraulic unit



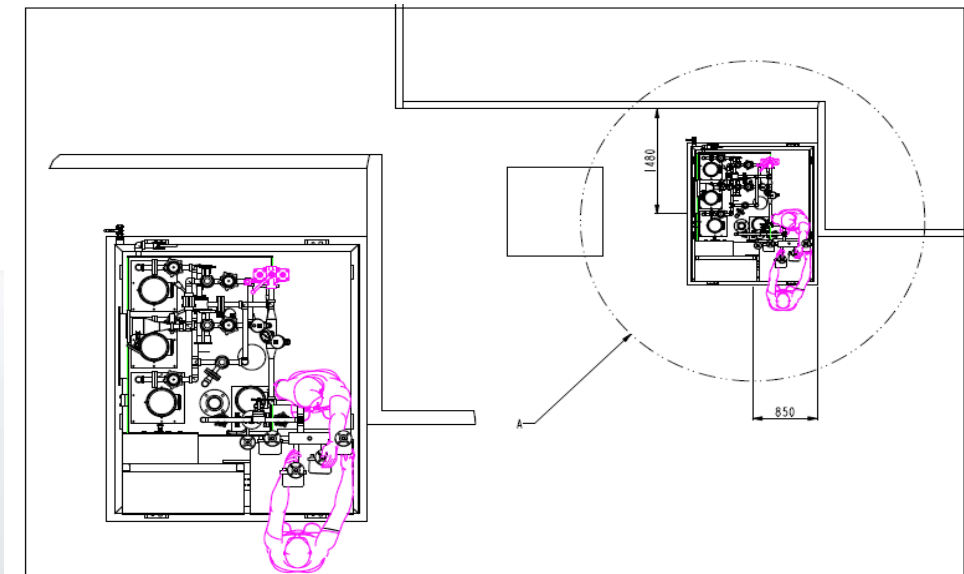
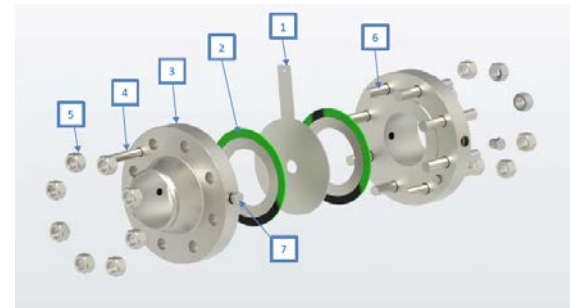
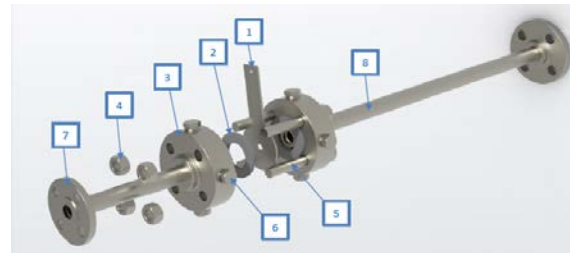
4 Transport, packaging and installation conditions

4.1 Transport



DANGER!
Risk to life due to suspended loads.
The use of unsuitable lifting devices and failure to use such devices in the proper manner can cause the hydraulic unit to fall. Do not lift the load while lifting or allow it to move in an uncontrolled manner. If necessary, hold the load with guide ropes. • Only persons who have been trained in the use of the attachment equipment and lifting tools are allowed to handle the load. • Wear safety shoes during the loading process. • Do not stand under suspended loads. • Do not enter or stand in the danger area. • Make sure that any belts being used are not twisted.

Proyecto: Manual de Mantenimiento, Tercer Edición - Parte 1 - Sección 1 - Página 10 de 10 - Cód. 10000000



Thank you!

In order to offer you, a technical solution that meets your requirements, please contact us at: sales@atc-sys.com

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