



CONCEPTOR MANUFACTURER



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## COMPANY PROFILE

### ACTIVITIES

Conceptualization and manufacture of :

carambate condenser, falling film carambate condenser, heat exchangers, stripper, column, reactor, separator, and so on.

Services:

revamping, equipment manufacture, turnkey projects, skid constructions, EPC, conceptual & feasibility studies, etc.

### MATERIAL

We work with:

carbon steel, alloy carbon steel, stainless steel, duplex and super duplex, nickel alloys, titanium, cladding, lining, etc.

Our certifications:



### MARKETS



OIL & GAS



PHARMACY  
COSMETICS



PETROCHEMICAL



CHEMISTRY  
FINE CHEMISTRY



NUCLEAR



THERMAL & RENEWABLE  
ENERGY



## QUALITY STANDARDS

### Workforce

- 15 000 m<sup>2</sup> of workshop area, 5 500 m<sup>2</sup> steel manipulation, 1 500 m<sup>2</sup> dedicated for stainless steel manipulation
- Manufacture–100,000h; Research–16,500h; Construction–70,000h
- 65 workshop employees, 45 engineering, mechanical, technical & QSE experts, 15 commercial, business dev and other back office employees

### Engineering of Process Unit

- *DESIGN* of turnkey installations
- *MANUFACTURE* of devices, installations & skid units
- *INTEGRATION* of instrumentation, electricity and automatism
- *INSTALLATION* & start up on-site
- *PROJECT MANAGEMENT* prices, procurement, deadlines & results

### Testing And Control Methods

Magnetic particle inspection, dye penetrant inspection, ultrasonic inspection, Time-of-flight diffraction method (TOFD), X-ray diffraction analysis, Positive Material Identification (PMI) procedure, Ferritescope Test, Hardness, 3D scan, Coating Thickness Measurement...

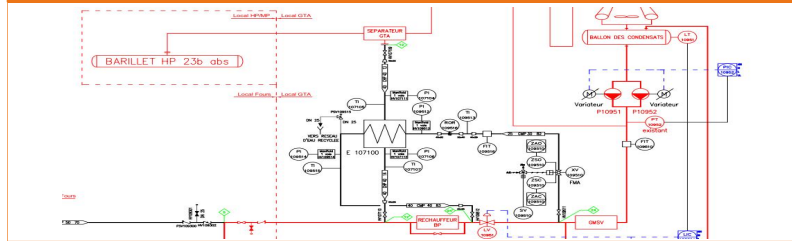
### They Trust Us



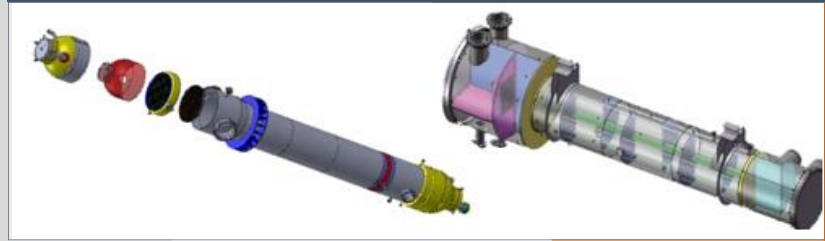


# CONCEPTUAL STUDIES

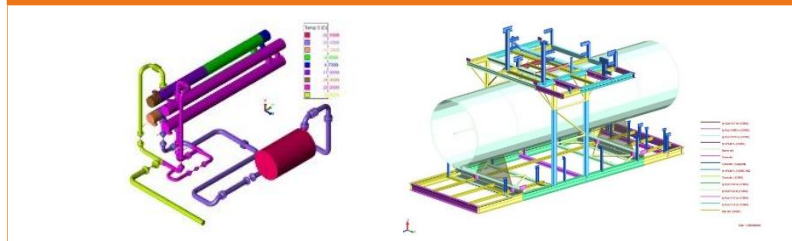
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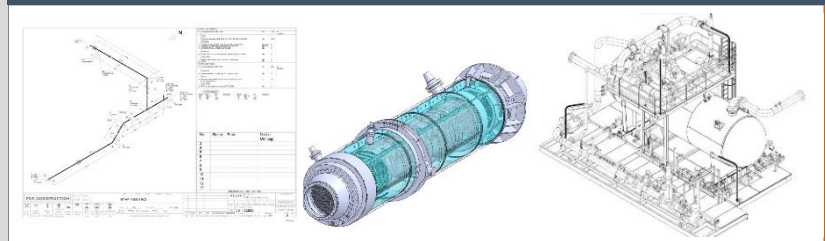
## Thermal Calculations



## Mechanical Calculations



## 3D Concept & Design

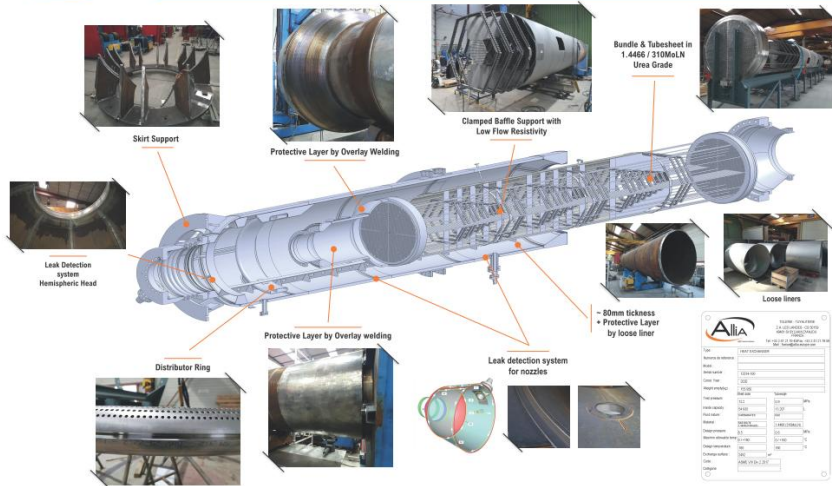




# EXAMPLES OF MANUFACTURE



## UREA PLANT / Carbamate Condenser (MONTEDISON PROCESS 80 bar recirculation heater)

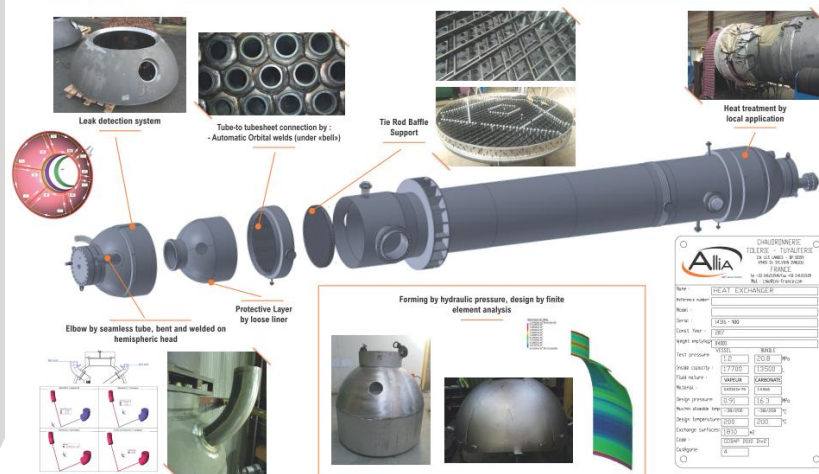


Allia	
Model:	
Series:	
Design:	
Material:	
Pressure:	
Temperature:	
Dimensions:	
Weight:	
Notes:	

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## TUBULAR HEAT EXCHANGER - STEAM / CARBAMATE Urea Plant Falling film High Pressure Carbamate Condenser



Allia	
Model:	HEAT EXCHANGER
Series:	4351-90
Design:	300
Material:	316L
Pressure:	100 bar
Temperature:	150°C
Dimensions:	1000x1000x1000
Weight:	1000 kg
Notes:	

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