



SERVICE PROVIDER FOR THE OIL & GAS AND POWER GENERATION INDUSTRY



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Company Overview

Basis Plant Services

SERVICE PROVIDER FOR THE OIL & GAS AND POWER GENERATION INDUSTRY

Member of Basis Group, **Basis Plant Services** is an Independent Service Provider with 20 years of experience and over 100 full-time employees offering Technical Services to owners and operators of rotating equipment manufactured by major industry OEMs.

Our Mission

“Maintenance Tailored Service”

Speed, Flexibility and the same Professionalism of OEM... at lower Costs!

Our Story

- **Basis** first opened in 1995
- In 2000, **Basis Plant Services** was established in Florence, Italy
- Exclusive orientation to the rotating equipment services for the Oil & Gas and Power Generation Industry



Our Story - Global Presence

Expansion to Europe, Middle East, Asia and Africa to increase Response to our International Customers:

- 2004 UK & West Europe - **Basis UK**
- 2005 Romania & East Europe - **Basis East Europe**
- 2007 Qatar & Middle East - **Basis Qatar**
- 2009 India & Asia - **BaSiEx**
- 2011 Algeria & North Africa - **Basis Algeria**
- 2013 Libya
- 2014 UK - **Basis Services UK**

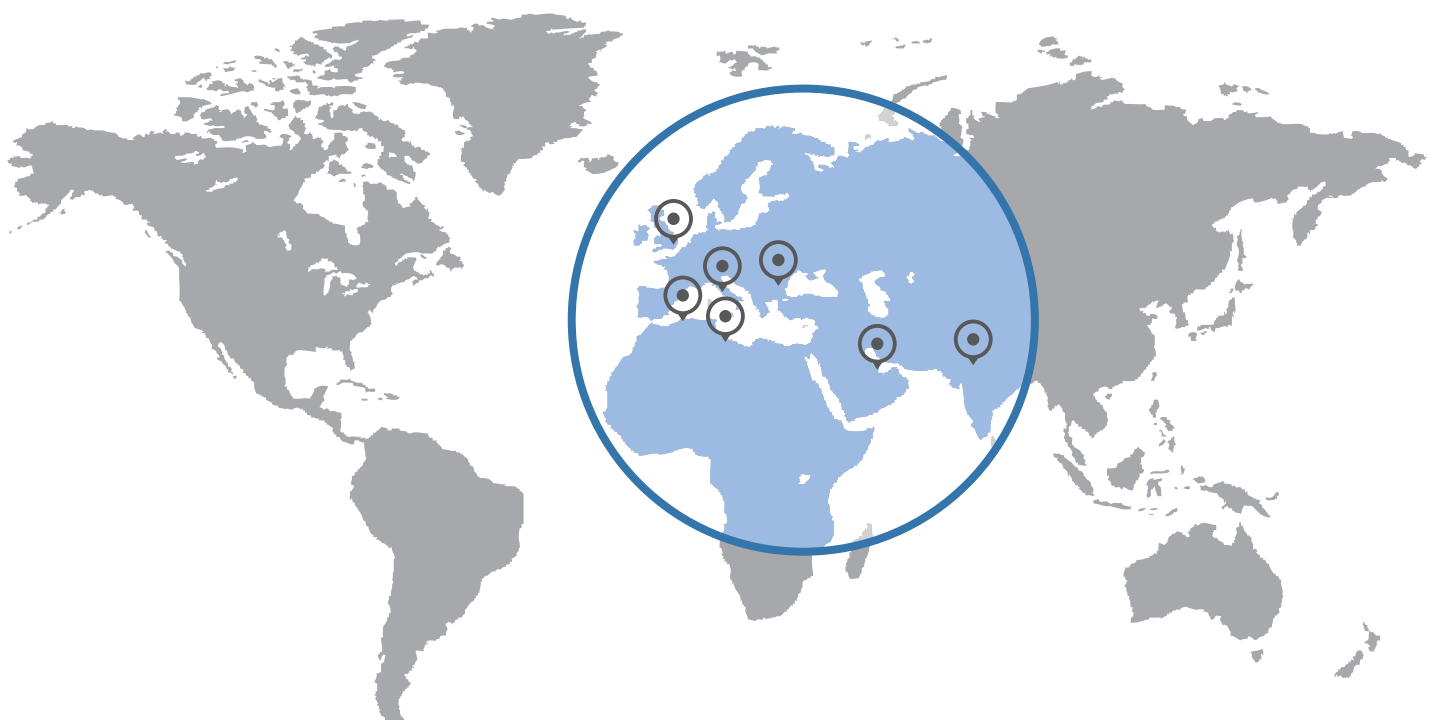


References

"Basis Plant Services has been since 2000 our service provider for inspections, installation and maintenance supervising of rotating equipment within' the Oil & Gas and Power Generation industry. Our collaboration has been profitable. Basis Plant Services is professional and experienced, cooperating globally with our organization in multiple projects".

M. M.
Sourcing Manager
GE Oil & Gas

Basis 2000s Coverage Expansion





Some Projects

PROJECTS	WE SUPPLIED	FINAL CUSTOMER
SAIPEM GNL Project Arzew	GE Oil&Gas	SAIPEM
KBR Project Skikda	GE Oil&Gas	KBR
ATLANTIC LNG Plant	GE Oil&Gas	ALNG
Tannguh Project	GE Oil&Gas	BP Indonesia
EUSTREAM	GE Oil&Gas	SPP
GORGON LNG	GE Oil&Gas	Chevron Australia
QG I-QG II-QG III-QG IV	GE Oil & Gas	Qatar Gas
QG II-QG III-QG IV	Chiyoda International	Qatar Gas
RG VI- RG VII	GE Oil & Gas	Ras Gas
QAFCO II - IV	Macchi Boiler	Qatar Fertiliser Company
KASHAGAN	GE Oil & Gas	Agip KCO
WEPP 1-2	GE Oil & Gas	PETROCHINA
AGIP/NAOC	GE Oil & Gas	AGIP/NAOC
JGC Project	GE Oil & Gas	JGC Bir Seba
Angolan LNG Project Soyo	GE Oil & Gas	BECHTEL





Technical Services

Basis Plant Services provides Field Service Qualified in 5 Activities for Energy, Industrial & Oil & Gas Markets:

- **Technical Supervisors**
- **Electrical, Mechanical, Control, Welding and Instrumental specialists**
- **QA/QC Inspectors and Testers**
- **Plants Troubleshooting and Survey**
- **Technical Training**

Activities

Basis Plant Services has a wide experience in performing single or turn-key activities at each stage of your Plant such as:

- **Execution & Supervision of installation**
- **Pre-commissioning**
- **Commissioning**
- **Start-up**
- **Operation and Maintenance**

Units/Products covered

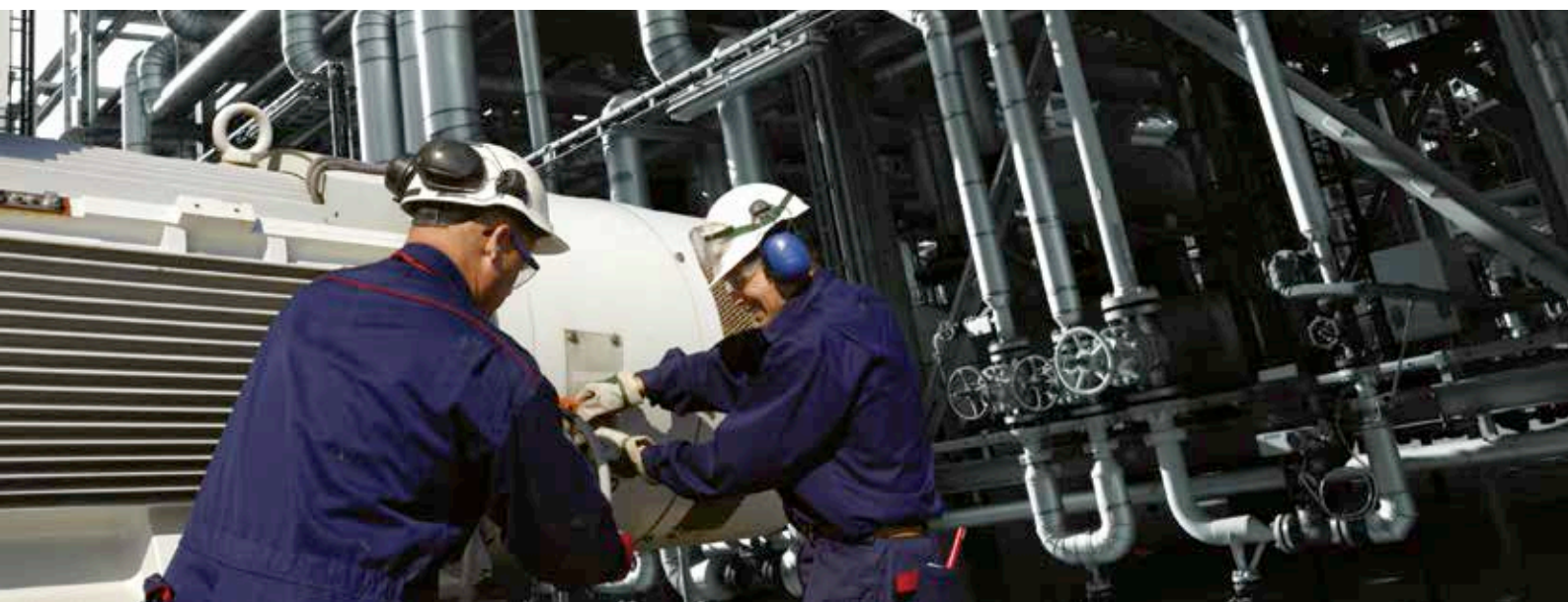
- Heavy Duty Gas Turbines
- Aero-derivative Gas Turbines
- Steam Turbines
- Centrifugal Compressors
- Centrifugal Pumps
- Reciprocating compressors/Cubogas
- Control System MkII - MKVI
- Control System Suvimac I - II plus
- PLC-DCS Systems



References

"Basis Plant Services has been since 2011 our service provider for inspections and expediting of rotating equipment within' the Oil & Gas and Power Generation industry. I would recommend Basis Plant Services for their professionalism and experience, as they do collaborate globally with our company in multiple projects".

C. B.
Services Manager
ENI Saipem S.p.a.



Our Field Specialists

- Site Superintendents
- Project Technical Coordinators
- Site Managers
- EHS Specialists
- Mechanical Engineers
- Steam Process/Boiler Engineer
- Electrical/Instrumental Engineer
- Quality Experts
- Machinery, Control system, PLC/DCS Engineer
- Technical Training
- Material Managers

TECHNICAL SERVICES WE PROVIDE

1) Plant Troubleshooting

- In case of plant failures **Basis Plant Services** provides a complete set of Engineering and Technical Investigations in order to define the original problem
- **Basis Plant Services** releases a Recovery plan or suggestion to solve the issue in shortest time possible, through the following process:



2) Surveys

- **Basis Plant Services** provides Site surveys to monitor Unit operating condition in order to avoid unexpected stops and production losses
- Our experts will produce a detailed Survey report with all findings



3) Technical Training

"The Key for Your Future Cost Saving"

- **Basis Plant Services** performs Customer Training and Technical Advisors training, focusing on Operation and Maintenance issues
- With our Professionals we are providing Technical Training directly also to OEM Field Service Personnel
- Our qualified Trainers are skilled in Mechanical Sessions to be attended also on site
- We perform Familiarization training on the basic elements of rotating machinery
- On demand we can perform a final examinations of the trainees with an avg. of 80% positive feedback

References

"The collaboration with Basis Plant Services was beneficial as a result of their professionalism, management skills and operational experience. They performed activities of inspection and field engineering surveys on our equipment in order to identify the upgradeability on the mechanical, electrical part and control system unit".

S. B. M.
Operations
Superintendent
Waha Oil Company

MECHANICAL SESSIONS		
Training #	Training Name	Duration (Days)
1	Familiarization	3-5
2	Gas Turbine: Theory	5
3	Gas Turbine: Heavy Duty	5
4	Gas Turbine: AERO + HSPT	4,5
5	Centrifugal Compressor Theory	3
6	Centrifugal Compressor Practice	4
7	Dry Gas Seals	1,5
8	Reciprocation Compressor	4
9	Steam Thermal Cycle	2,5
10	Steam Turbine	5





QA/QCI

Quality Assurance & Quality Control Inspections

Thanks to our multi-year experience with Major OEM in Energy and Oil & Gas Market, our Specialized and Qualified Inspectors will guarantee full compliance to:

- **Quality requirements**
- **Any Order Specs or Delivery time you may have with your supplier**

The inspections can be performed to your facilities and equipment or directly to your supplier premises.

Area of Activities

Worldwide coverage plus Localized Inspectors in Europe and Middle East.
Our Inspections cover the following areas:

- **Mechanical**
- **Electrical**
- **Civil**
- **Instrumental**

Critical Elements:

- **Quality of Supply & Materials**
- **Processes and Certifications**
- **Time and specification check & follow up**



Type of Inspection

- Workshop and Site Inspections
- Material and/or Equipment Testing
- Welding inspection (ASTM, EN, API, AWS)
- Issue and check of welding dossier made of PQR and WPS
- Coating and Painting Inspections
- Equipment and components dimensional testing
- Pre-shipment final inspection
- Certifications (NACE, SNT-TC- 1A, PT, RX, MT, UT)
- NDT Testing as per EN473 + ASNC TC 1A certified (VT, UT, MT, PT, RT)
- EHS System Application
- Inspector training

QA & QCI - SERVICES WE PROVIDE

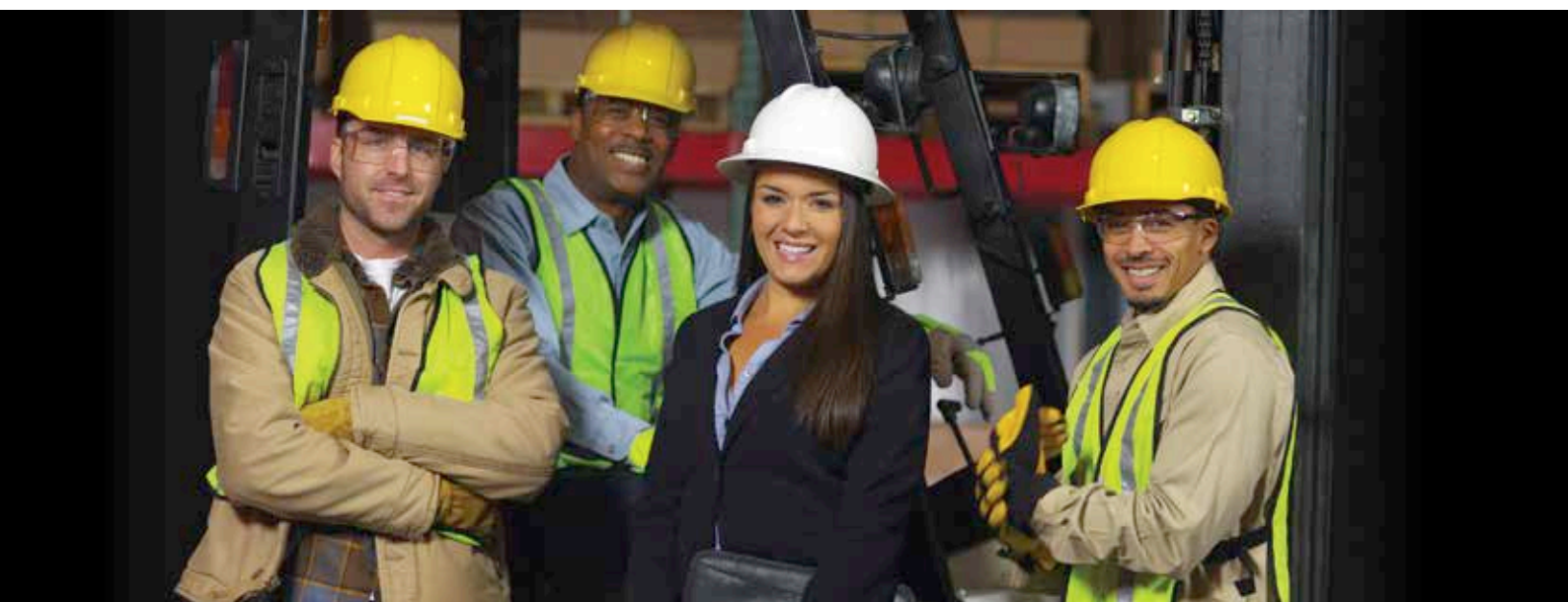
1) On Base Quality Inspections

Objective:

- Guarantee the Quality and correct identification of the complete (BoM) Bill of Materials shipped from Customer Sites, in order to prevent any issue/claim from Final Customers.

Scope:

- Verification of Completeness/Quality and Identification of Material.
The inspection covers Materials "On Base"
- Case Packaging Verification - On boxes already closed and randomly inspected
- Non Conformities Resolution
- Customer accompaniment during Inspections c/o OEM Packaging Centres and Supplier Facilities
- Three way Check c/o Customer Packaging Centers or c/o Suppliers
- Packaged Materials Check by Suppliers c/o Customer
- Transparency & Clarity - Monthly Reporting preparation of the Inspection Activities




2) Global Service Quality Inspections

Scope:

- Material conformity Check accordingly with Technical Documentation
- Material Certification Check
- Quantitative & Qualitative Check of materials
- Quality & Appropriateness Check of Packaging
- Visual Check of Materials in the case
- "e-NCR" (Non Conformity) document emission for defective Materials and relative follow-up
- Be in contact with Suppliers for Non conformities/anomalies resolution
- Eventual Warehouse restoring/correction
- Customer accompaniment during Inspections c/o OEM Packaging Centers and Supplier Facilities
- Management/Resolution of eventual non conformities found during receiving phase
- Random Dimensional Check through drawing and manual measurements
- Picture Collection Item by Item of eventual Move Order
- Conformity Check of eventual Materials sent from the Field facility
- Check & Validation of materials entering in the Repair Centre
- Three way Check c/o Customer Packaging Centers or c/o Suppliers
- Check c/o Customer sites of Material packaged by our suppliers
- Transparency & Clarity - Monthly Reporting preparation of the Inspection Activities

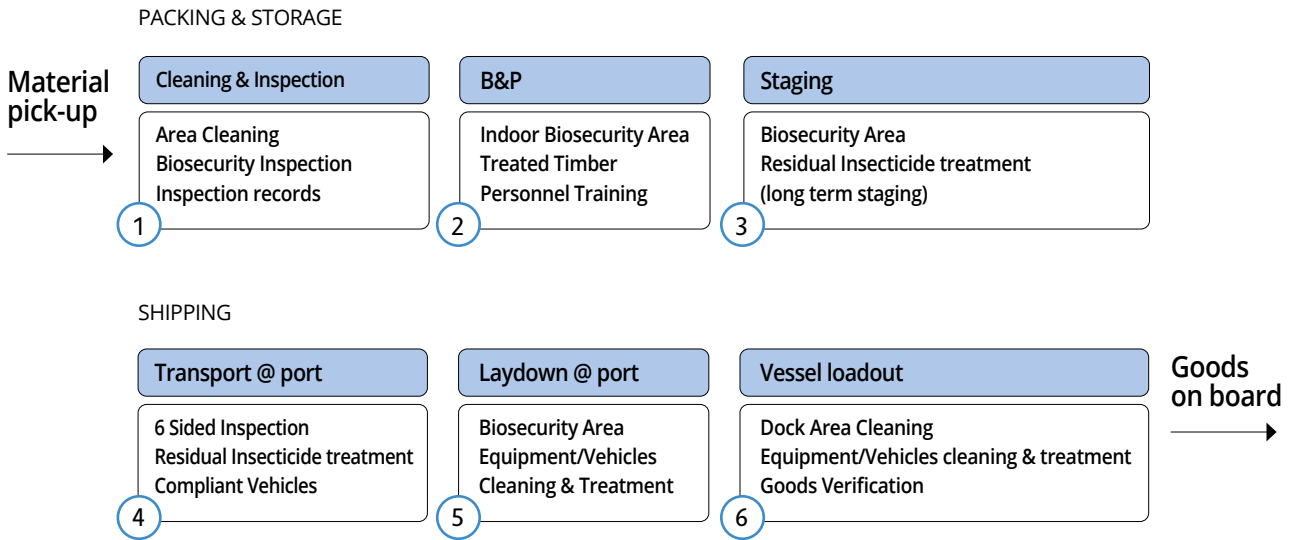
Inspection Report - Example

PRE WORK CHECKLIST		
Assessment	Results	Notes
Is the inspection area safety/comfortable?	No	
3WC previously performed	Yes	
Material presented on base	Yes	
Supplier Labels attached	Yes	
Material clean & preserved	No	
Item Qty verified with counting scales	Yes	
LISL revision presented	0	
The box will be closed by supplier (.SUPP)	Yes	131 (.SUPP)
INSPECTION CHECKLIST		
Assessment	Results	Notes
Start/Final Lisl # lines	131	
Lines checked	131	
Visual Check	Done	
Counting scale check	Done	
Quantity Check	Done	
Label check vs Lisl Document & Material	Done	
Quality Check	Done	

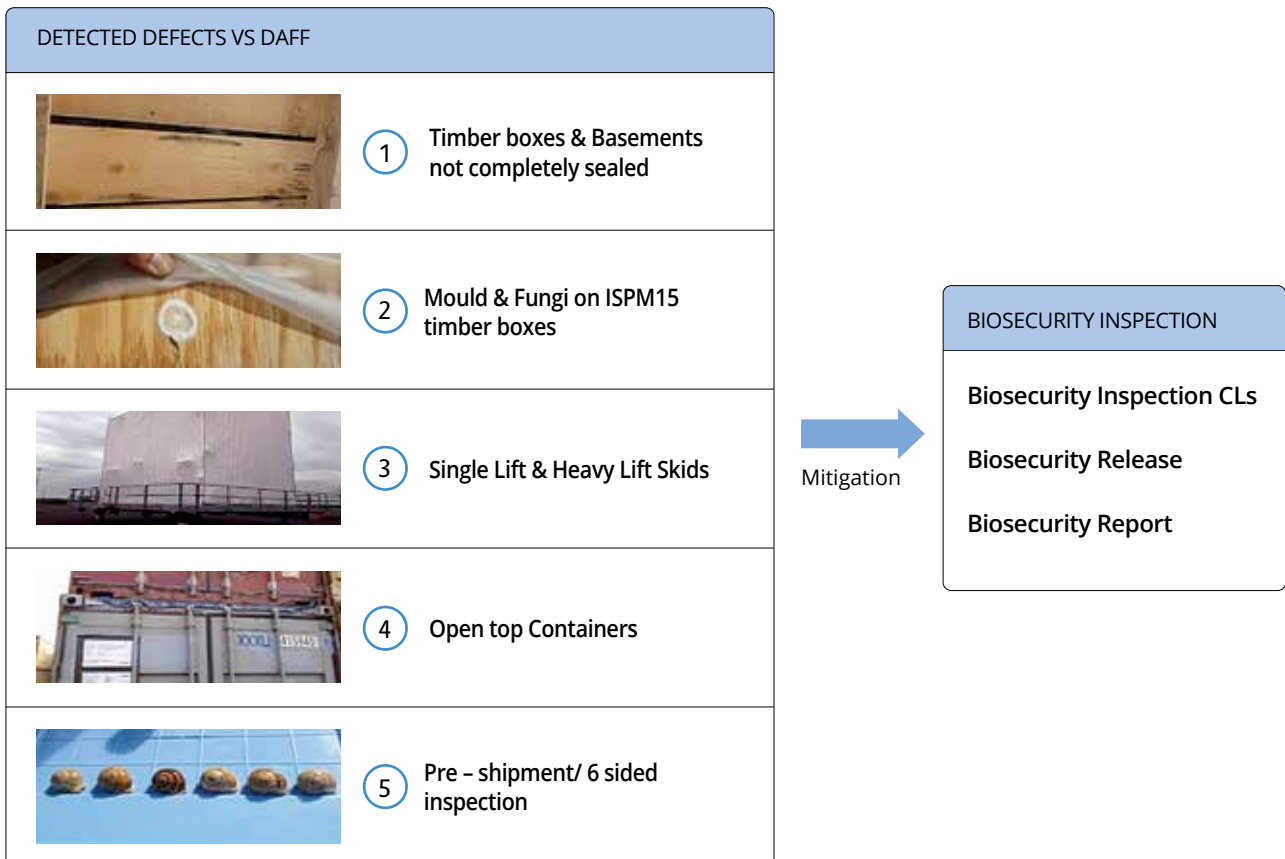
INSPECTION AREA OVERVIEW	
	
NC DETECTED	
Type	#
Quality	1
Quantity	1
Identification	10
Counting scale	4
Missing	-

3) Biosecurity Inspections

Biosecurity Material Flow from WHS picking to Vessel Loadout



Biosecurity Criticalities & Inspection



4) Final Mechanical Testing

Objectives:

- Maintain a Permanent Quality Standards, Skids Completeness, Non conformities Resolution, 6 Sigma.

Example of Activities Performed:

- Visual Checks of welding accordingly with ASME and/or ASNT and/or ITN 07040
- Check of Piping Mechanical Assembly (ANSI B31.8 and/or ITN07738)
- Check of Mechanical drawings for Duct & Equipment Assembling (Filters, Vans, etc...)
- Material Management/Punch List
- Non Conformities Resolution (eNCR)
- Mechanical Completion Activities
- Reading, Interpretation and Verification of conformity to specs of WPS, PQR, WPQ and NDT Controls (RT, UT, LP,MT)
- IT Acceptance Test Plan Filling (IPD)
- Final Testing Certification issue





Project Management

Activities

- **Shipping Coordination:**
To support final delivery of your core business
- **Document Controlling, Reporting and Certifications:**
Check and follow up Technical docs based on client specifications
- **Job Management:**
Our Project Managers follow all issues connected to job management remotely or directly on Site
- **Job Planning:**
Basis Plant Services Project Planners cover entire job processes through Updated Gant and other Planning Tools
- **Warranties Management:**
Support on Products under warranty, through cost optimization, operative maintenance and administration management



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CONTACTS

Mr. Michele Zappolini
Operation Manager

Phone +39 (0) 055 4288206

Mobile +39 (0) 335 1860530

michele.zappolini@basisgroup.com

Mr. Elio Di Giovanni
Sales Manager

Phone +39 (0) 055 4288206

Mobile +39 (0) 347 2568980

elio.digiovanni@basisgroup.com

Mr. Andrea Forchielli
Sales Dpt. / Account Manager

Phone +39 (0) 055 4288206

Mobile +39 (0) 348 0914981

andrea.forchielli@basisgroup.com

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