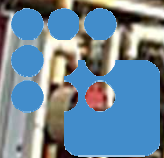


**“Maintenance Customized Service”**

Speed, Flexibility and Professionality for OEM, EPC and Final Customers... with High Quality and Competitivity!

# Quality Inspections

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**Basis**  
Plant Services

WAGSTAFF  
Crane Service

WAGSTAFF



## QUALITY INSPECTIONS SERVICES

### *Overview:*

- Visual, dimensional inspections and tests carried out on any Welding, Structural, Mechanical, Piping, E&I items
- Expediting activities
- Final Mechanical Testing
- Mechanical Completion
- Australian quarantine standard
- Preservation



## QUALITY INSPECTIONS SERVICES

Thanks to our multi-year experience with Major OEM in Energy and O&G Market, our Specialized and Qualified Inspectors and Expeditors will guarantee full compliance to any Order Specs or Delivery time as per Client need.

### Inspections can be performed directly at:

- Client facilities
- Suppliers' sites
- At warehouse or repair areas

### Our inspections cover following areas:

- Instrumental
- Mechanical
- Electrical
- Preservation

### Criticalities:

- Quality of Materials
- Expediting at Suppliers' premises
- Certifications check
- Shipment specification check
- Final tests and certifications check for mechanical completion

## QUALITY INSPECTIONS SERVICES

***Materials shall undergo quality inspections in order to verify integrity and correspondance to the requested items, ensuring no discernible evidence of damage or mismatching of materials according to documentation.***

Our team of inspectors test Material, Equipment and any component . We are able to perform any kind of inspections and tests such as but not limited to:

### Inspections and Tests

- Welding, Coating and Painting Inspections
- Low speed, High speed, Over speed balancing tests
- Inspections as per Australian quarantinte standards projects
- Preservation inspection
- Checking and issuing Welding dossier with PQR and WPS
- Pre shipment and final inspection

### Certifications

Perfomed by certified personnel on:

- NACE, SNT-TC-1A
- NDT (VT, UT, MT, PT, RT) as per EN473 + ASNT TC 1A

## QUALITY INSPECTIONS SERVICES

Visual Inspections on materials, packaging and shipment areas inspections, functional tests.

### *Guarantee Quality and compliance of Materials*

- ❖ Material completeness
- ❖ Material Certification Check
- ❖ Tests performing
- ❖ QCP and MDR preparations
- ❖ Management and resolution of NC in receiving, eNCR (Non Conformity) document issuing
- ❖ Pre-shipment Packaging Check
- ❖ Customer accompaniment during Inspections
- ❖ Three Way Check



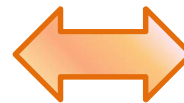
## EXPEDITING SERVICES

On site managing & monitoring materials from order to deliver  
Inspect manufacturers and manufacturing plans to ensure or  
advance delivery date of supply through:



### Field Expediting:

- *surveillance visits by resident expeditor assigned to critical supplier to monitor WIP in procurement, manufacturing and delivery processes*
- *identifying any potential delays in supply*
- *check compliance of materials to the specification*
- *guarantee fulfilment of contractual delivery terms*



### Desk Expediting:

- *check non critical or non strategic supply identifying any possible area that needs a strict follow up*

*Our proven skilled personnel is able to maintain quality monitoring manufacturing process, strictly respecting promised date through pull in and push out actions in accordance to our client needs.*

## FINAL MECHANICAL AND INSTRUMENTAL TESTING

### **Scope:**

Maintain a Permanent Quality Standards according drawings and specifications, Skids Completeness, Non conformities Resolution.

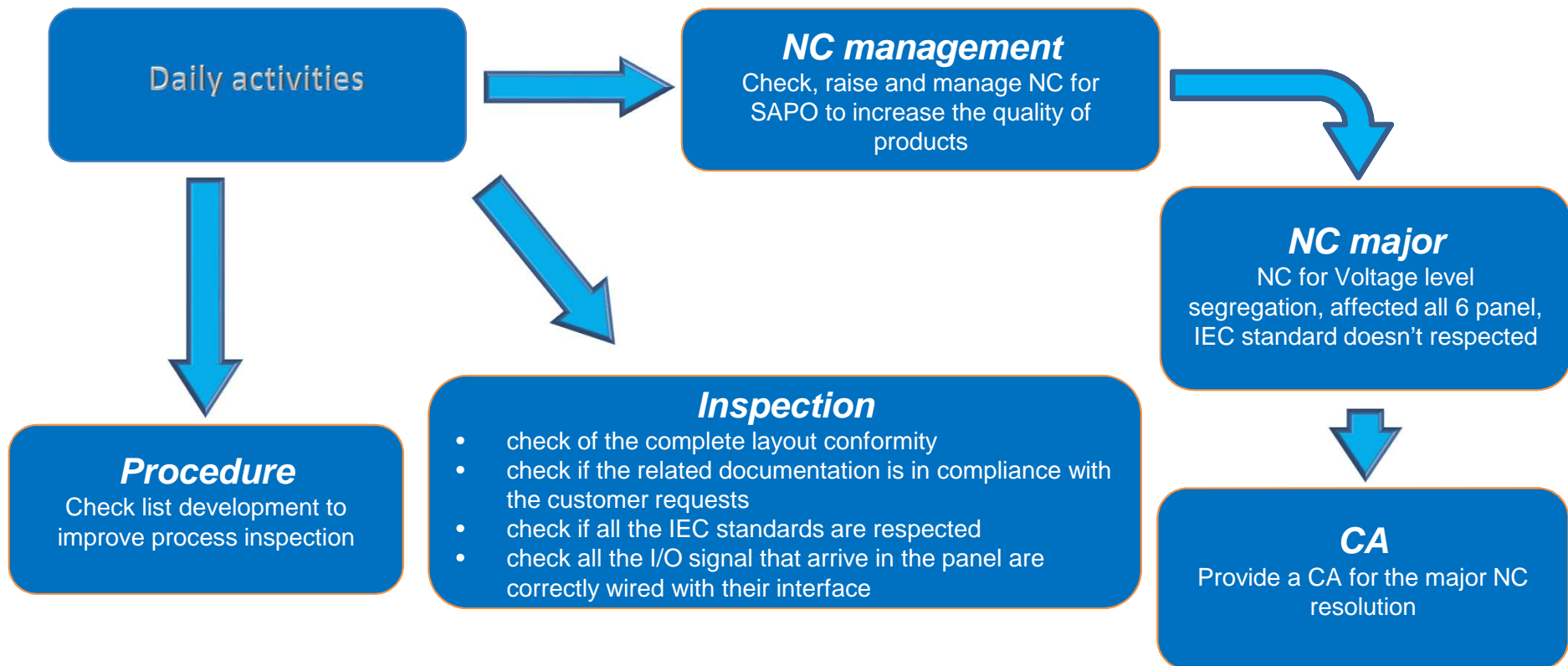
### **Activities performed:**

- 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...) check of Wiring Diagram and electrical-instrumental assembly as per ITN 04202 or similar).
- Reading, Interpretation and Verification of conformity to specs of WPS, PQR, WPQ and NDT Controls (RT, UT, LP, MT), verification of MCC panel settings, control panels, TB hard-wiring.
- Material Management/Punch List.
- Non Conformities Resolution (eNCR).
- Verification of preservation and packaging of motors, pumps, fan, JB, control panels, electrical motors (as per ITN02175 or similar).
- IT Acceptance Test Plan Filling (IPD).
- Final Testing Certification issue.



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## FINAL MECHANICAL AND INSTRUMENTAL TESTING



## MECHANICAL COMPLETION

**Scope:** verify that parts are designed and built in accordance with specified requirements in order to achieve completeness and quality. Release certificates for any step of Final tests. Issuing of MC documents.

**Example of Activities Performed:** checking of fabrication, testing and installation for Electrical, Instrumental, Metering, Piping, Mechanical and Machinery items during the construction, assembly and inspection phases.

### *Our MC performer are able to:*

- *Prepare MC dossier*
- *Execute checking of fabrication, testing and installation*
- *Complete check list items as per the MCCS's (Mechanical Completion Check Sheets)*
- *Enter the status and test values for each item and fill the MC dossier*
- *Release compliance to project regulations*



***Basis Plant Services has authorized personnel to check and sign all completed original certificates according to project regulations***

## MECHANICAL COMPLETION

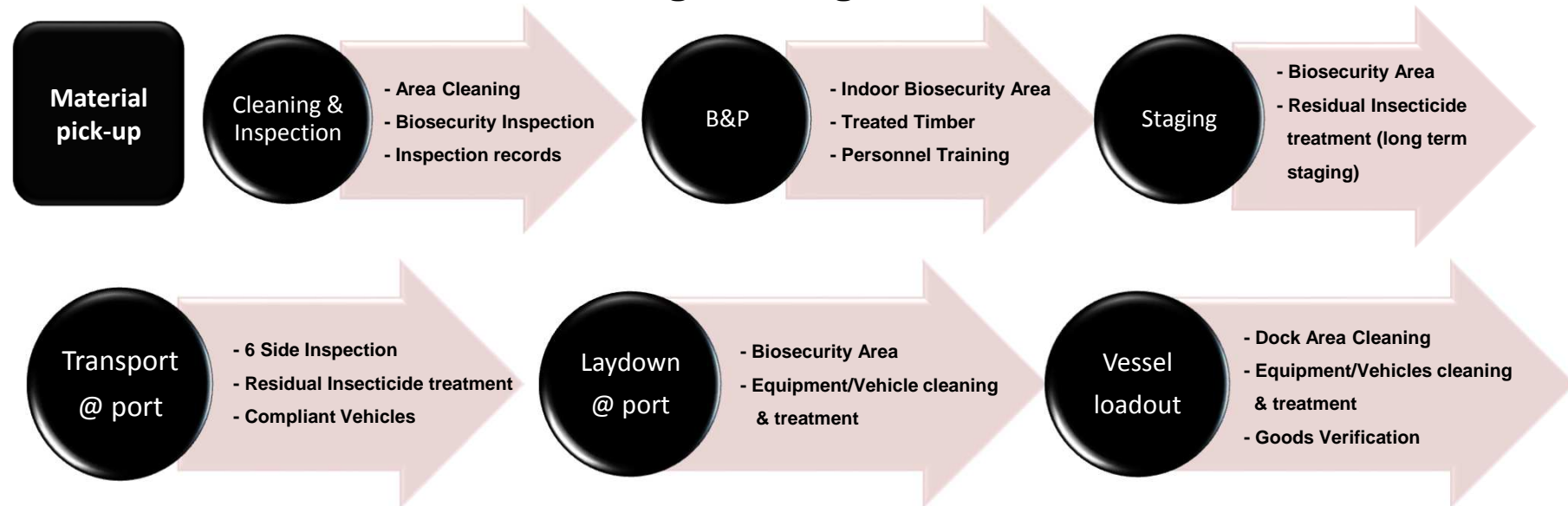
### *References:*

PROJECTS	YEAR AND DURATION	WE SUPPLIED	FINAL CUSTOMER
Hebron	2014 (10 MONTHS)	GE Oil&Gas	Worley Parsons
Cessao Onerosa	2014 (5 MONTHS)	GE Oil&Gas	Petrobras
Aasta Hansteen	2014 - 2015 (6 MONTHS)	GE Oil&Gas	Statoil
Egina	2014 - 2015 (8 MONTHS)	GE Oil&Gas	Total
Wheatstone	2014 - 2015 (15 MONTHS)	GE Oil&Gas	Chevron
Umm Lulu	2015 - 2016 (ONGOING)	GE Oil&Gas	Technip
Yamal	2015 (6 MONTHS)	GE Oil&Gas	Technip
Lybra	2015 - 2016 (4 MONTHS)	GE Oil&Gas	Petrobras
MGS1 - MGS2	2015 - 2016 (ONGOING)	GE Oil&Gas	Saudi Aramco
Khazan	2015 (10 MONTHS)	GE Oil&Gas	Petrofac
KNPC	2015 - 2016 (ONGOING)	GE Oil&Gas	Petrofac

## AUSTRALIAN QUARANTINE STANDARDS

**Scope:** ensure that the material relative to the P/L being inspected complies with the DAFF standards and the project requirements.

### Packing & Storage Process



## AUSTRALIAN QUARANTINE STANDARDS

### Main Detected Defects

1) Timber boxes & Basements not completely sealed



2) Mould & Fungi on ISPM15 timber boxes



3) Single Lift & Heavy Lift Skids



4) Open top Containers



5) Pre – shipment 6 side inspection



**Biosecurity  
Inspection CLs**

**Biosecurity  
Release**

**Biosecurity  
Report**

## PRESERVATION

**Scope:** ensure that the original conditions of piping, equipment, skids and materials would be preserved and maintained until site delivery

### MISCELLANEOUS

- Pipes
- Valves
- Flanges
- Gaskets
- Insulation material
- Electrical motors
- Instrumentation



ON

### MAIN ITEMS

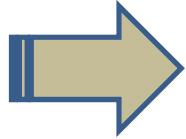
- Gas Turbine Skid and Gas Generator
- Centrifugal Compressor
- Load Gear
- Coupling/Torquemeter
- Lube Oil Console
- Hydraulic Starting Skid
- Syntentic Oil Coolers
- Dry Gas Seal System
- Fuel Gas Scrubber
- Electrical Panels
- Fire Fighting Skid
- Oil Purifier
- Water Washing Skid
- Gas Cromatograph, Wobbe meter

### CAPITAL SPARE PARTS

- Spare
- Rotor/Stator/Gear
- Diaphragms
- Bearings
- Couplings
- Labyrinth Seals
- Dry Gas Seals
- Bundles

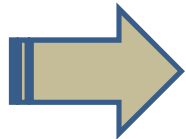
*Basis Plant Services has authorized personnel able to perform dedicated inspections and issue project data book*

## PRESERVATION



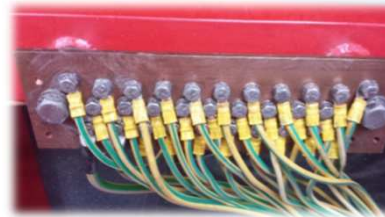
### Monthly Preservation Check on Packed Items

Continuously inspections allow a consistent reduction of problems in storage phase, for example Water Accumulation, damages or not correct preservation, according to SOI procedure applied.



### Pre-shipment Preservation & Biosecurity Inspection

Each item is packed or re-packed before shipping to ensure the one year of preservation. Every final inspection is notified and performed with customers representatives.



## BIOSECURITY and/or PRESERVATION

### *References:*

PROJECTS	WE SUPPLIED	FINAL CUSTOMER
Gorgon LNG	GE Oil&Gas	Chevron Australia
Ichtys	GE Oil&Gas	Impex-Total
Prelude	GE Oil&Gas	Shell
AP LNG	GE Oil&Gas	Conoco Philips Australia
GLNG	GE Oil&Gas	Santos
Queensland Curtis LNG	GE Oil&Gas	British Gas Corporation
Queensland Curtis LNG	GE Oil&Gas	Bechtel
Wheatstone	GE Oil&Gas	Bechtel





# Contacts

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