

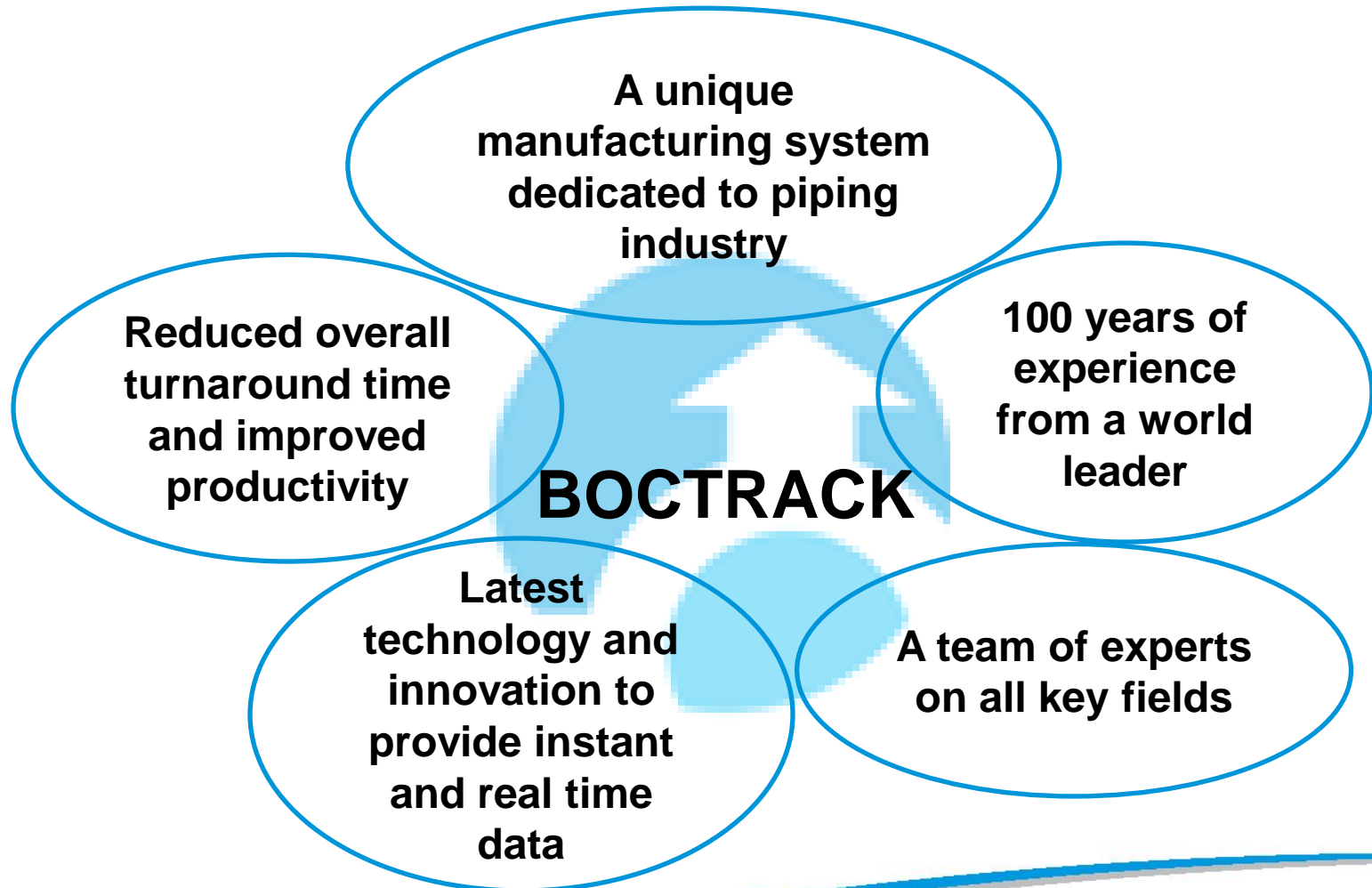


# BOCTRACK SERVICES

BOCCARD OPERATING SYSTEMS – MARCH 2014

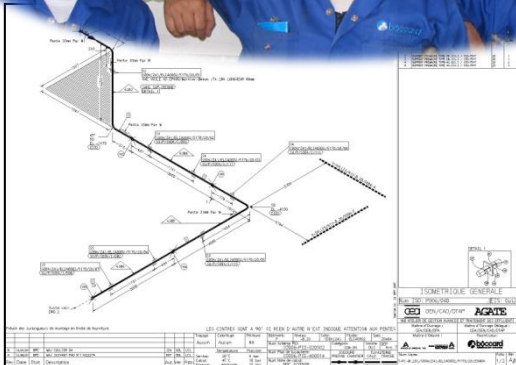
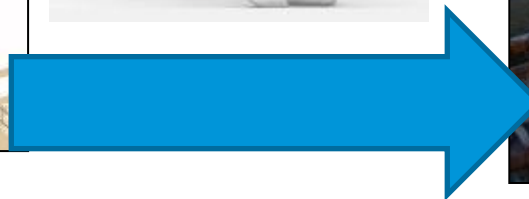
[www.boccard.com](http://www.boccard.com)

# Boctrack Solution



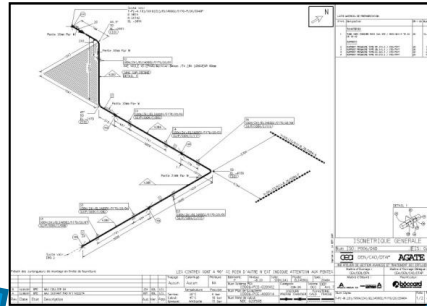
# BOCTRACK SYSTEM

WITHOUT BOCTRACK



# BOCTRACK SYSTEM

WITH BOCTRACK



**BOCTRACK**



# Boctrack Service Offer

- ▶ **We provide a service: Experts using our proprietary Boctrack system tool**
- ▶ **Our Experts will be part of your operational teams to help in the success of your projects**
- ▶ **We commit with you on data confidentiality and security**

# Boctrack Service Process

How do we accompany you?

1<sup>st</sup> Phase:  
Project  
Preparation

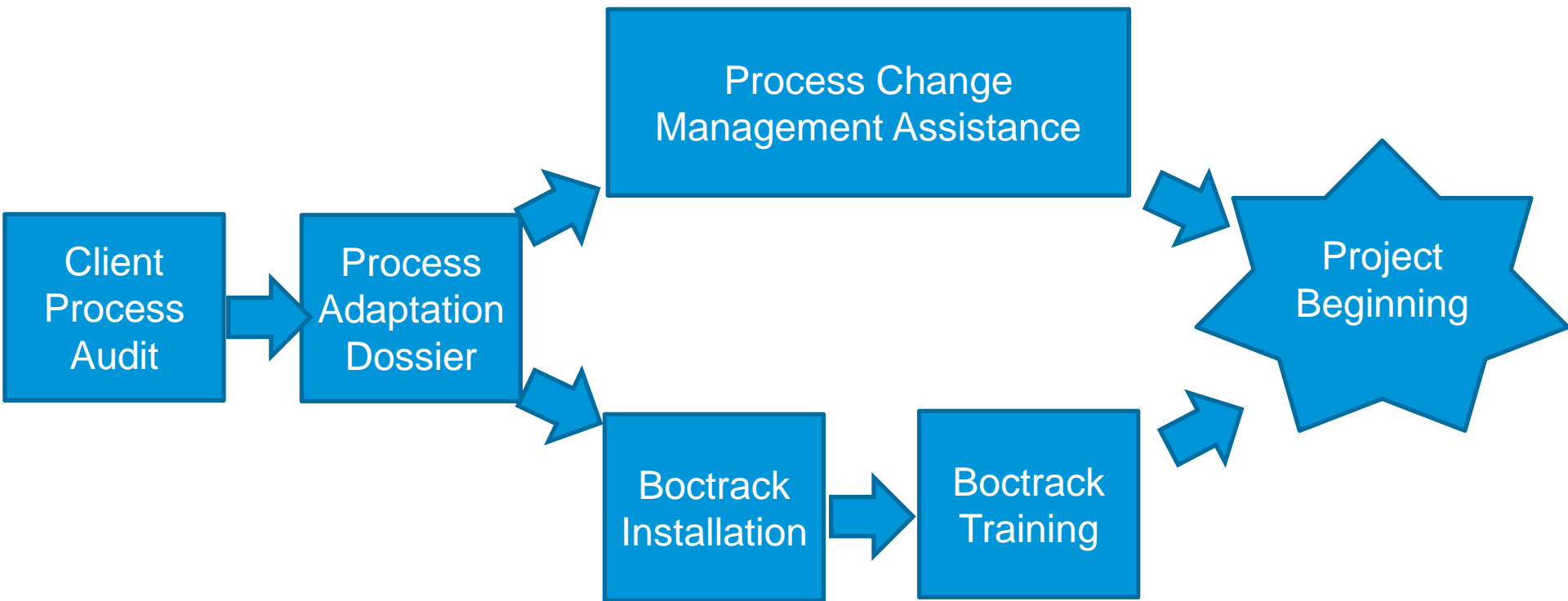
2<sup>nd</sup> Phase:  
Project  
Assistance

3<sup>rd</sup> Phase:  
Project Closing  
REX

**Boctrack Experts Team will accompany your project from beginning to the end and provide high level expertise for success**

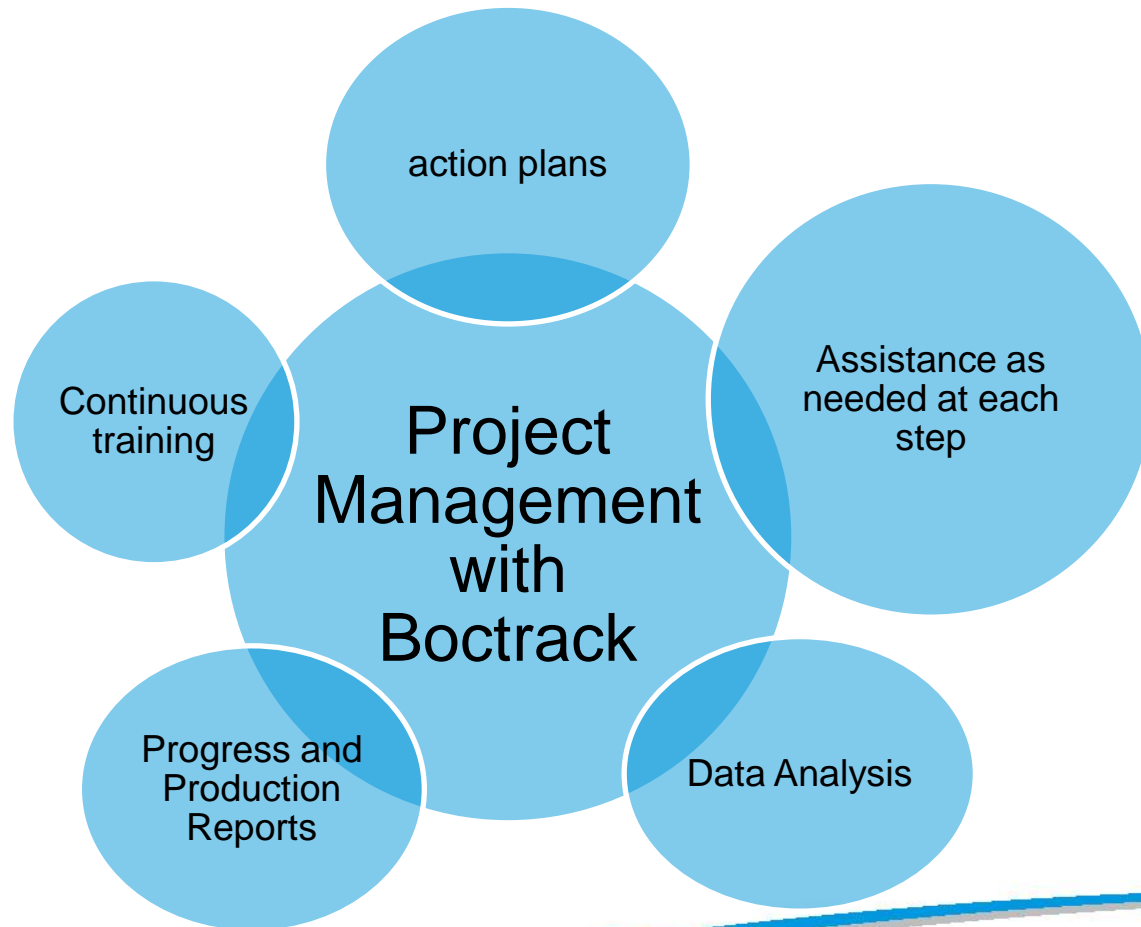
# Boctrack Service Process

## ► 1<sup>st</sup> Phase: Project Preparation



# Boctrack Service Process

## ► 2<sup>nd</sup> Phase: Project Assistance



# Boctrack Service Process

## ► 3<sup>rd</sup> Phase: Project Closing REX

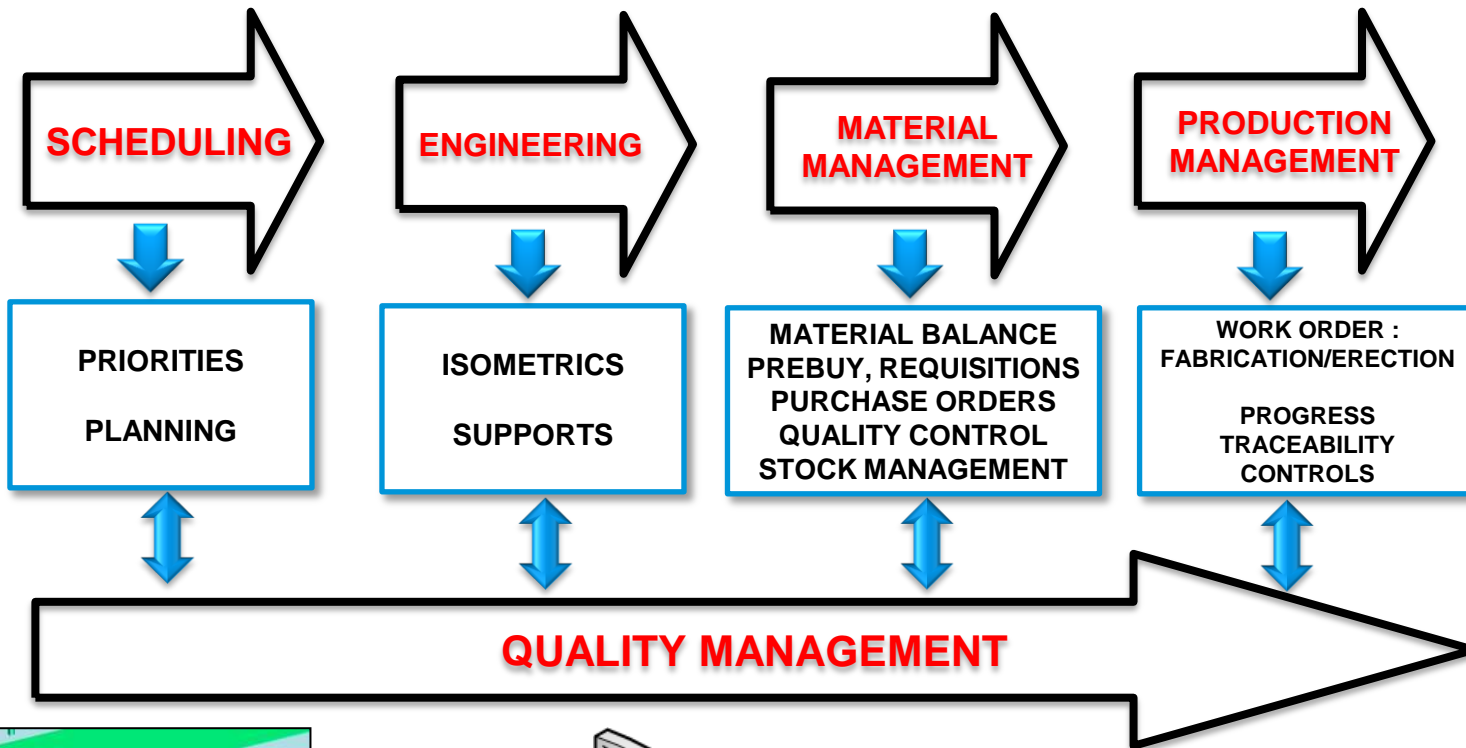
Project  
Analysis

Return of  
Experience  
Report

Data  
Migration

# Boctrack Solution's Scope

Boctrack is a CAPM Computer-Aided Production Management tool for pipe fabrication and erection



# Why should you use it?

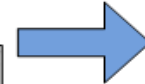
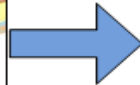


## Preparation: Centralized data available Worldwide

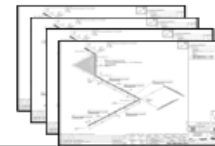
### WITHOUT BOCTRACK



3D Model



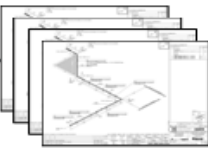
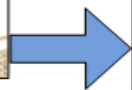
### Preparation operations



### WITH BOCTRACK



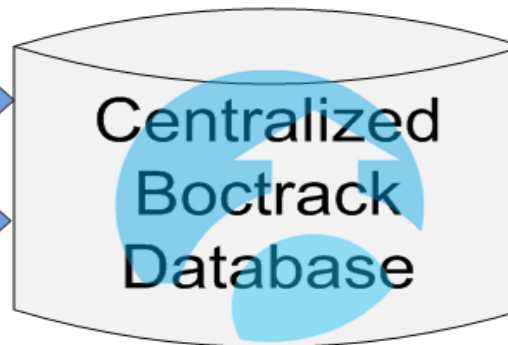
3D Model



2D PLANS

MTO

### Preparation operations



- Direct importation of MTO to Boctrack
- Preparation WO management
- Clear progress real time worldwide
- Priority lists management
- Plans scanned in Boctrack
- No paper management
- Traceability of preparation modification for invoicing

## Why should you use it?



## Material Management: Feed the production with Priorities

## WITHOUT BOCTRACK



- Double purchasing
- Material following-up Excel spreadsheets
- Difficulties to consolidate
- Missing material
- Emergency and expensive purchasing

## WITH BOCTRACK

[illegible]

broadband		CONNECTION PRECISION		Will Run Report													
Client		Contract #		CPE		Run to		Run to		Start		VPU		Param		Weighted	
Client	Contract #	Start	End	Start	End	Run to	End	Run to	End	Start	End	Start	End	Param	Weighted	Start	End
Will Run																	
CPE																	
C10040	000066	20	A T6-0131-226-465-00-1	1/21/2014				6	3.6	1	100.41004						
C10040	001177	20	BPV-0131-202-366-00-2	1/21/2014				8	3.27	1	1						
C10040	000063	20	W6-0131-172-110-01-1	1/20/2014				6	5	1	437.80000						
C10040	000065	20	PWA-0131-030-463-00-1	1/21/2014				5	3	1	8.1						
C10040	000070	20	PWA-0131-030-463-00-2	2/1/2014				10	3	3	499.76037						
C10040	000079	20	H6S-0131-020-100-00-2	2/1/2014				6	2.68	1	17.21214						
C10040	000085	20	PWA-0131-030-463-00-1	2/1/2014	2/1/2014			10	3.4	3	87.1						
C10040	000086	20	PWA-0131-030-463-00-2	2/1/2014	2/1/2014			10	3.4	3	172.21214						
C10040	000096	20	DNA-0131-005-00-01-1	2/24/2014				10	2.6	3	466.66221						
C10040	000099	20	DNA-0131-005-00-02-1	2/26/2014				6	1.5	2	14.004						
C10040	000106	20	W6-0131-020-118-01-1	2/18/2014				10	3.6	1	200.88000						
C10040	000426	20	PUG-0131-022-009-01-2	2/18/2014	2/1/2014			10	11	2	76.01600						
C10040	000435	20	PUG-0131-022-009-01-1	2/18/2014	2/1/2014			10	7.91	2	200.88000						
C10040	000440	20	PWA-0131-030-463-00-1	2/15/2014	2/1/2014			10	3.4	3	216.67202						

**Fabrication and construction are natively organized by priority**

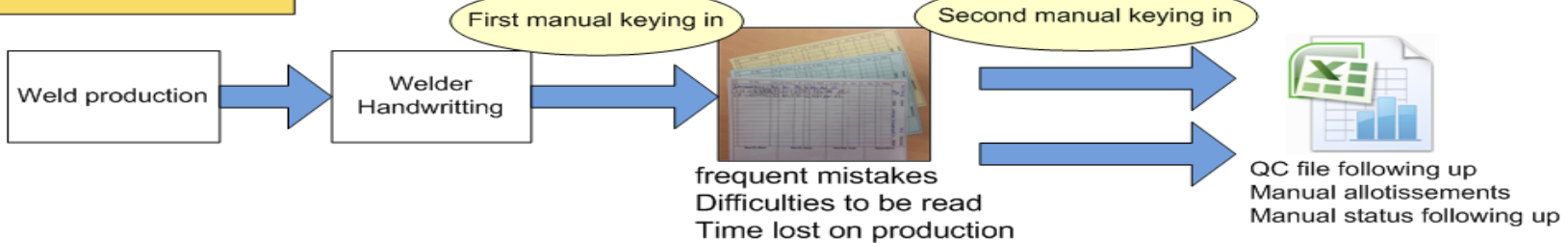
- Immediate detection of priority material missing
- 0 % double purchasing
- Centralized material database
- Early detection on missing material
- Better control of material purchasing
- Traced Material transfers between jobs and projects

# Why should you use it?

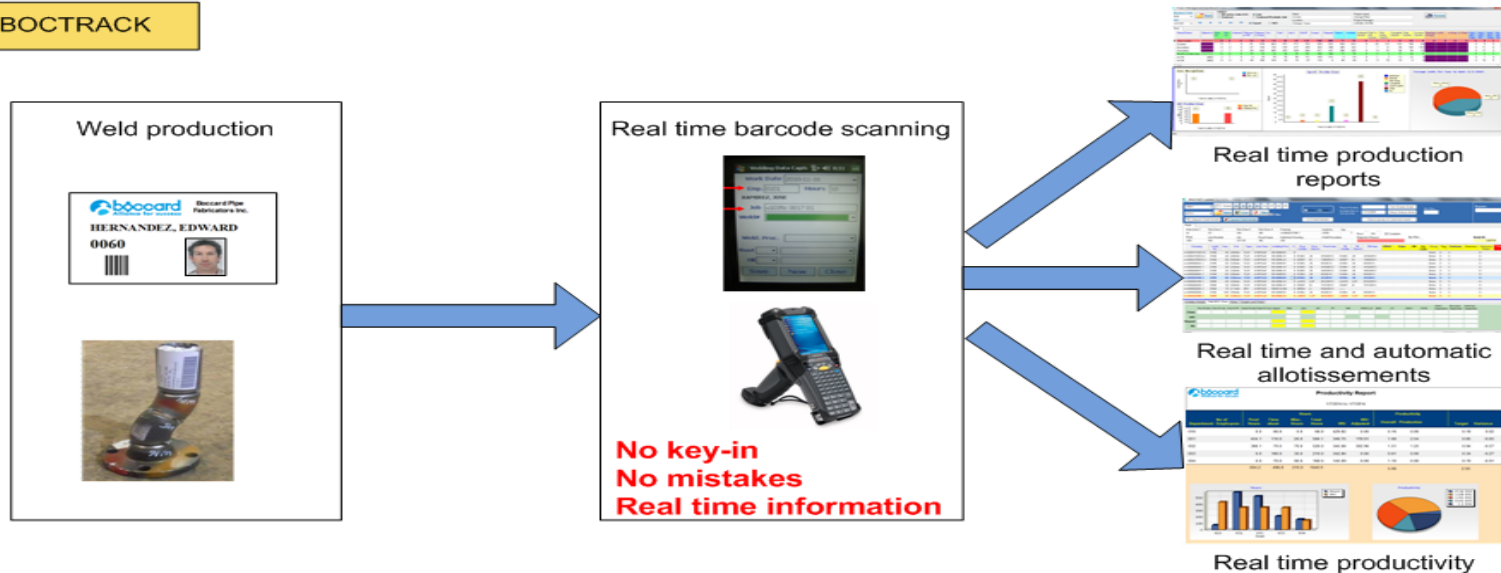


## Weld Daily Production

### WITHOUT BOCTRACK



### WITH BOCTRACK



# QUALITY MANAGEMENT

## Why should you use it?



### QC Dossier Approval by client

#### WITHOUT BOCTRACK

Create QC approval Work Order

1/2h

Look for all the documentation and classify them

1h

Send them physically to client inspector

1h



Wait for inspector response

na

Receive response verify it is complete Classify documents

1h

Close QC Work Order

1/4h

4h

Lost time to look for documents  
Original documents management  
Original documents lost by inspectors

#### WITH BOCTRACK

Create QC approval Work Order

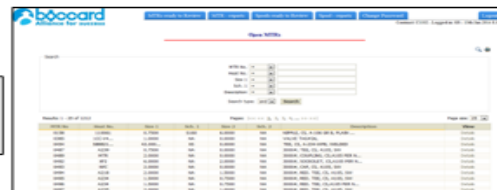
1/2h

Verify everything is scanned

5min

make Work Order available on internet Portal

5min



Wait for inspector response

na

Close QC Work Order

1/4h

1h

Estimated benefits:  
save 15%

# SCHEDULING

# How does it work? (short technical overview)

## Process

Define Production priorities and delivery dates

Boctrack natively manage production by priorities

Progress Reports and production analyze by priority

## Typical example

The screenshot shows a 'Priority Definition' screen with a table of production orders. The table has columns for 'Job', 'Spec', 'Prio', 'Place Mark', 'Ref to MC', 'Ref to Shop', 'Size', 'WG', 'Parent', and 'Weight'. The data is organized into rows, with some rows highlighted in green and others in yellow. The interface includes various buttons and a search bar at the top.

Priority Definition Screen

The screenshot shows a 'Will Run Report' with a table of production orders. The table has columns for 'JOB', 'Spec', 'Prio', 'Place Mark', 'Ref to MC', 'Ref to Shop', 'Size', 'WG', 'Parent', and 'Weight'. The data is organized into rows, with some rows highlighted in blue and others in yellow. The interface includes various buttons and a search bar at the top.

Will Run Report by priority

The screenshot shows a 'Daily Production Report' with a table of production orders. The table has columns for 'Job', 'Spec', 'Prio', 'Place Mark', 'Ref to MC', 'Ref to Shop', 'Size', 'WG', 'Parent', and 'Weight'. The data is organized into rows, with some rows highlighted in blue and others in yellow. The interface includes various buttons and a search bar at the top.

Progress Report by Priority

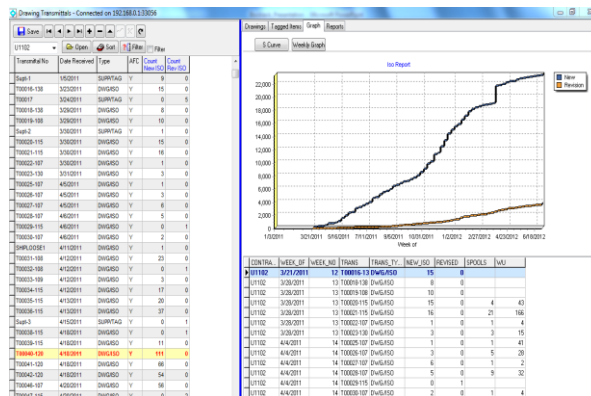
ENGINEERING

# How does it work? (short technical overview)

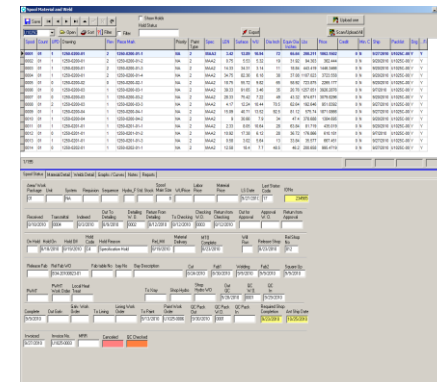
## Process



## Typical example



Import ISO material and welds



Check ISO material and welds

## MATERIAL MANAGEMENT

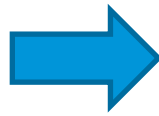
# How does it work? (short technical overview)

## Process

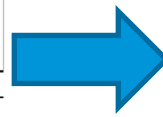


## Typical example

Date	Item	Description	Qty	Unit	Price	Total	Remarks
2019-01-01	1000 0000	PERF. CS. A 100 PERVAZOR 40-0101	1.000	EA	1000.00	1000.00	
2019-01-01	1000 0000	PERF. CS. A 100 PERVAZOR 40-0101	1.000	EA	1000.00	1000.00	



PO	Item	Description	Qty	Unit	Price	Total	Delivery	Location	Remarks	ID	Tag No
1000 0000	1000 0000	PERF. CS. A 100 PERVAZOR 40-0101	1.000	EA	1000.00	1000.00					



PO	Item	Description	Qty	Unit	Price	Total	Delivery	Location	Remarks	ID	Tag No
1000 0000	1000 0000	PERF. CS. A 100 PERVAZOR 40-0101	1.000	EA	1000.00	1000.00					



Material Recap

Material Purchase  
Order

Material Reception

Barcode traceability  
on material

# PRODUCTION MANAGEMENT

# How does it work? (short technical overview)

## Process

WILL RUN

Release to  
Shop

Production  
Progress

Spools  
Complete

## Typical example

**Will Run Report**

Job	Qty	Size	Sch1	Sch2	Description
C1304C	20,690	3	STD	0	NA
C1304C	150,700	3	XS	0	NA
C1304C	2,890	4	STD	0	NA
C1304C	9,000	4	XS	0	NA
C1304C	136,000	6	STD	0	NA
C1304C	175,950	6	XS	0	NA
C1304C	17,450	8	STD	0	NA
C1304C	9,000	3	STD	0	NA
C1304C	6,000	6	STD	0	NA

Will Run  
Report

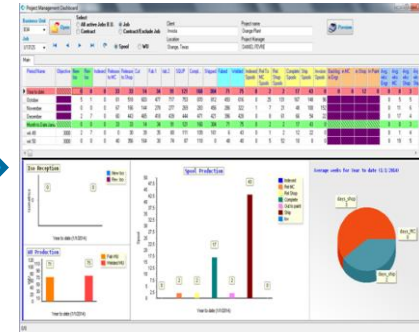
**Pull Ticket Recap**

Job	Qty	Size	Sch1	Sch2	Description
C1304C	20,690	3	STD	0	NA
C1304C	150,700	3	XS	0	NA
C1304C	2,890	4	STD	0	NA
C1304C	9,000	4	XS	0	NA
C1304C	136,000	6	STD	0	NA
C1304C	175,950	6	XS	0	NA
C1304C	17,450	8	STD	0	NA
C1304C	9,000	3	STD	0	NA
C1304C	6,000	6	STD	0	NA

Release  
to Shop



Barcode Production  
Tracking



Production Real  
time Progress

## How does it work? (short technical overview)

```

graph LR
    A[Material Certificates] --> B[NDE Management]
    B --> C[Documental Management]
    C --> D[Online approval Portal]
  
```

Material Certificates

NDE Management

Documental Management

Online approval Portal

[illegible]

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[Services](#)
[History](#)
[News](#)
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[Client Portal | Vendor Portal | Employees](#)

Fabrication Reports

[Download Spool Detail report in Excel](#)
[Download Daily Production summary report in PDF \(dPR\)](#)
[View/Print MTRs](#)
[View/Print Spools Drawings](#)
[MTR/Spool QC Review Portal](#)
[Logout](#)

MTR Reports: [All MTRs](#) | [Reviewed](#) | [Rejected](#)

All MTRs

Search

MTR No.

Hat No.

Search type:

Results: 1 - 25 of 1940

Pages: <<< < 1, 2, 3, 4, ... >>> >>

Page size:

MTR No.	Hat No.	Size 1	Sch. 1	Size 2	Sch. 2	Description	View
0001	987064...	2.0000	NA	0.0000	NA	30004, 45 ELL, CS, A105, 5V	<a href="#">Details</a>
0002	107064...	2.0000	NA	0.0000	NA	30004, 40 ELL, CS, A105, 5V	<a href="#">Details</a>
0003	198001	2.0000	XS	0.0000	NA	PIPE, CS, A-106 GR B, SMLS	<a href="#">Details</a>
0004	314395	1.5000	XS	0.0000	NA	PIPE, CS, A-53 GR B, SMLS	<a href="#">Details</a>

# Control percentages management

## Statistics by welder

Internet Portal for  
document approval or  
consultation by customer

# Success Story : Barrancabermeja Project in Colombia



**Final client:** Ecopetrol

**Client:** Consorcio SCIA

**Mission:** Boctrack assistance project to help client to manage Erection and prepare maintenance of the installation.

**Context:**

750 Isometrics – 2" to 20" diameters

1200 Spools prefabricated in workshop

400 Spools fabricated onsite

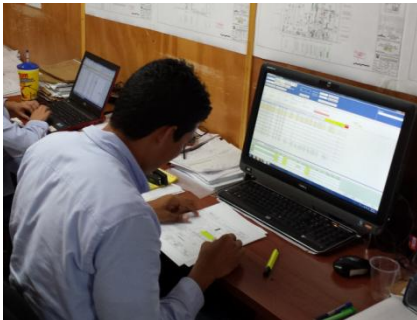
Project already on going. Boctrack team to integrate data and to reorganize material warehouses and solve many organizational problems



# Success Story : Barrancabermeja Project in Colombia

## **Boctrack assistance dedicated team:**

- 1 project manager
- 1 Technical expert / foreman
- 3 Project Engineers
- 1 material responsible
- 1 assistant



# Success Story : Barrancabermeja Project in Colombia

## **Key success factors:**

- Rigor at all stages of the process
- Nothing outside Boctrack
- Client and project managers convinced by the system
- Detailed GO-BY to explain well new rules

## **System Benefits:**

- Controls and mistakes detection at all stages
- Less problems at the end of the project
- Detailed and reliable progress reports
- Good preparation for the shutdown
- Boctrack shutdown compatible



# Contact Us

## ► Sales Contact:

- **South America: Philippe Morin** (pmorin@boccard.com)
- **North America: Ed Allahverdian** (eallahverdian@boccard.com)
- **Europe: Clement Brousse** (cbrousse@boccard.fr)
- **Africa: Jerome Lavenir** (jlavenir@boccard.fr)

## ► Contact us for a customized quotation