

SAVE BIG MONEY

KEEPING UP THE FLOW

MARINE



DO YOU WANT TO
SAVE \$50,000
ON THE SANITARY DISCHARGE SYSTEM?

BLÜCHER®

A **WATTS** Brand

COST COMPARISON OF SANITARY DISCHARGE SYSTEMS

BLÜCHER® Pipe stainless steel push-fit pipework system vs. welded galvanized iron pipework system

Project scope and assumptions

FPSO conversion requiring piping installation in accomodation for black and grey water piping system.

Comparison based on pipes and fittings.

7000 connections planned for both black and grey water system.

Project to be completed within 180 days.

8 working hours per day (breaks and meal times excluded).

Manpower costs \$4.26 per hour per man*

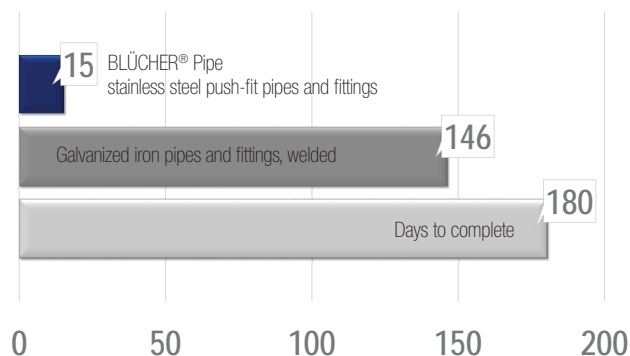
Project carried out in Singapore.

All prices, wages and other costs stated converted to USD from SGD.

Pipework systems

- Galvanized iron pipework system with welded connections
- BLÜCHER® Pipe stainless steel push-fit pipework system

Installation time



Galvanized iron pipes and fittings, welded



Material cost total: \$48,937

Work scope:

Fitting and welding; grinding after welding;
painting to protect welding seam from corrosion

48 connections per day - 146 days



30 minutes per joint

Manpower cost total: \$215,751

BLÜCHER® Pipe stainless steel push-fit pipes and fittings



Material cost total: \$153,801

Work scope:

Fitting (push-fit)

480 connections per day - 15 days



5 minutes per joint

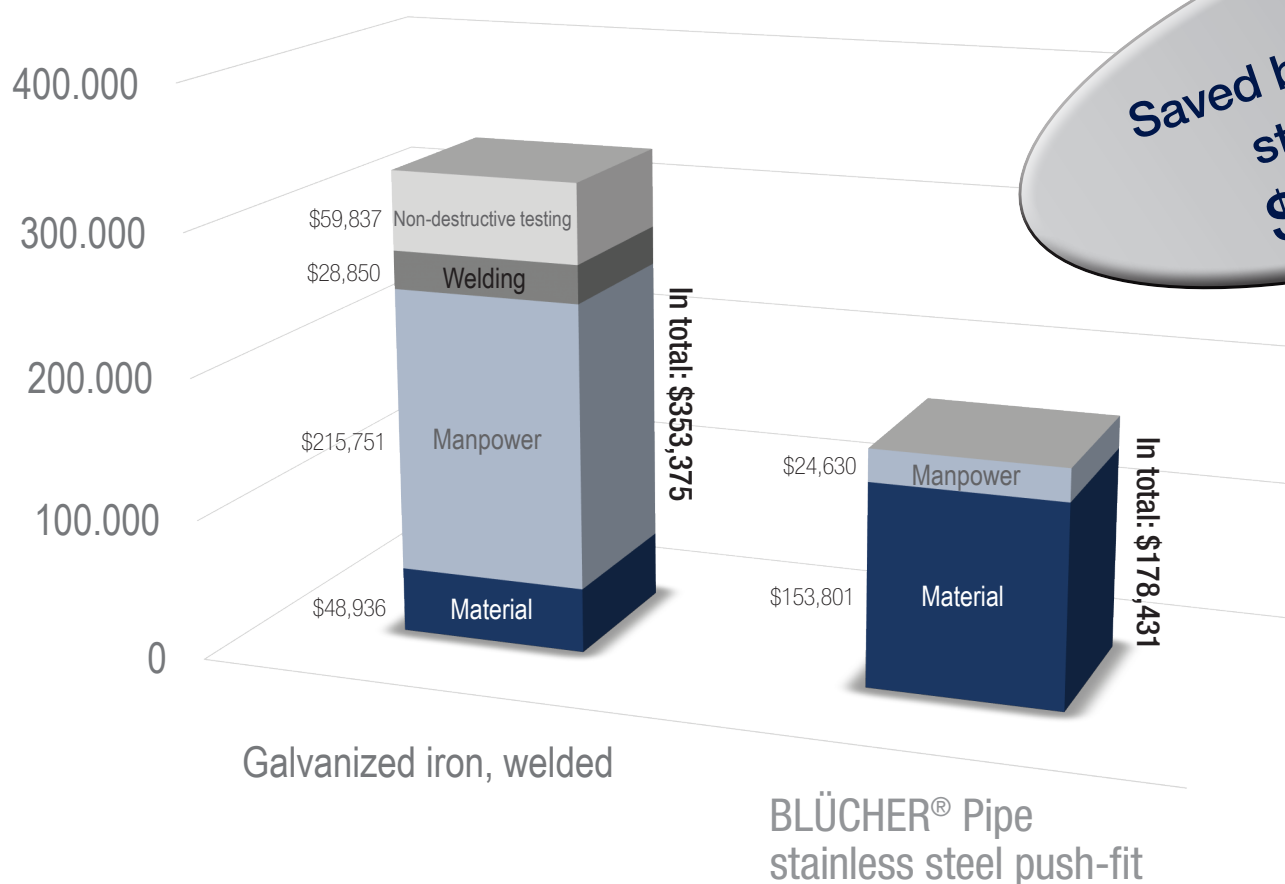
Manpower cost total: \$25,132

*The case study assumes the same labor rate for skilled welders vs. unskilled labor required to install Blucher's push-fit system. This, and much higher labor costs in the US (averages of \$25/hr. skilled, \$16/hr. unskilled) significantly increases potential labor savings.

COST COMPARISON OF SANITARY DISCHARGE SYSTEMS

Total costs (USD)

Total costs



Would you like to know more?

Contact us at marine@blucher.com
to request the full cost comparison report.

At BLÜCHER more than 300 employees create an annual turnover of more than \$53M. Through know-how, dedicated service and common sense we design, produce and market high-quality stainless steel drainage solutions for customers within the housing, commercial, industrial and marine segments all over the world.

FIND YOUR LOCAL
BLÜCHER SPECIALIST AT

www.blucher-marine.com



Stainless steel sanitary discharge system for black and grey water in gravity and vacuum applications

BLÜCHER USA
Headquarters
100 Watts Road
Spindale, NC
28160 U.S.A.

BLÜCHER®

A WATTS Brand

F-B-SaveBigMoney 1716

USA: T: (828) 248-3995 • F: (828) 248-3929 • BLUCHERpipe.com
Canada: T: (905) 332-4090 • F: (905) 332-7068 • BLUCHERpipe.ca

© 2017 BLÜCHER