Stenca

WE ARE FULL OF ENERGY

*optimal solutions*

# STENCA PIPE BENEFITS

COLD HEAT FIRE
INSULATION
ACOUSTICS PROJECTING
ACCOMMODATION
ADVISING

# COST EFFICIENT

# BEST PRODUCT - UNIQUE BENEFITS

LOWEST INSTALLATION COST

LOWEST MAINTANCE COST

LONG LIFE DURABILITY

NO CORROSION UNDER INSULATION

EASY TO INSTALL AND REINSTATE

NO HOT WORK

LOW WEIGHT

STRONG SURFACE – STEP RESISTANT

SHORT DELIVERY TIME – HIGH CAPACITY

CERTIFIED PRODUCT

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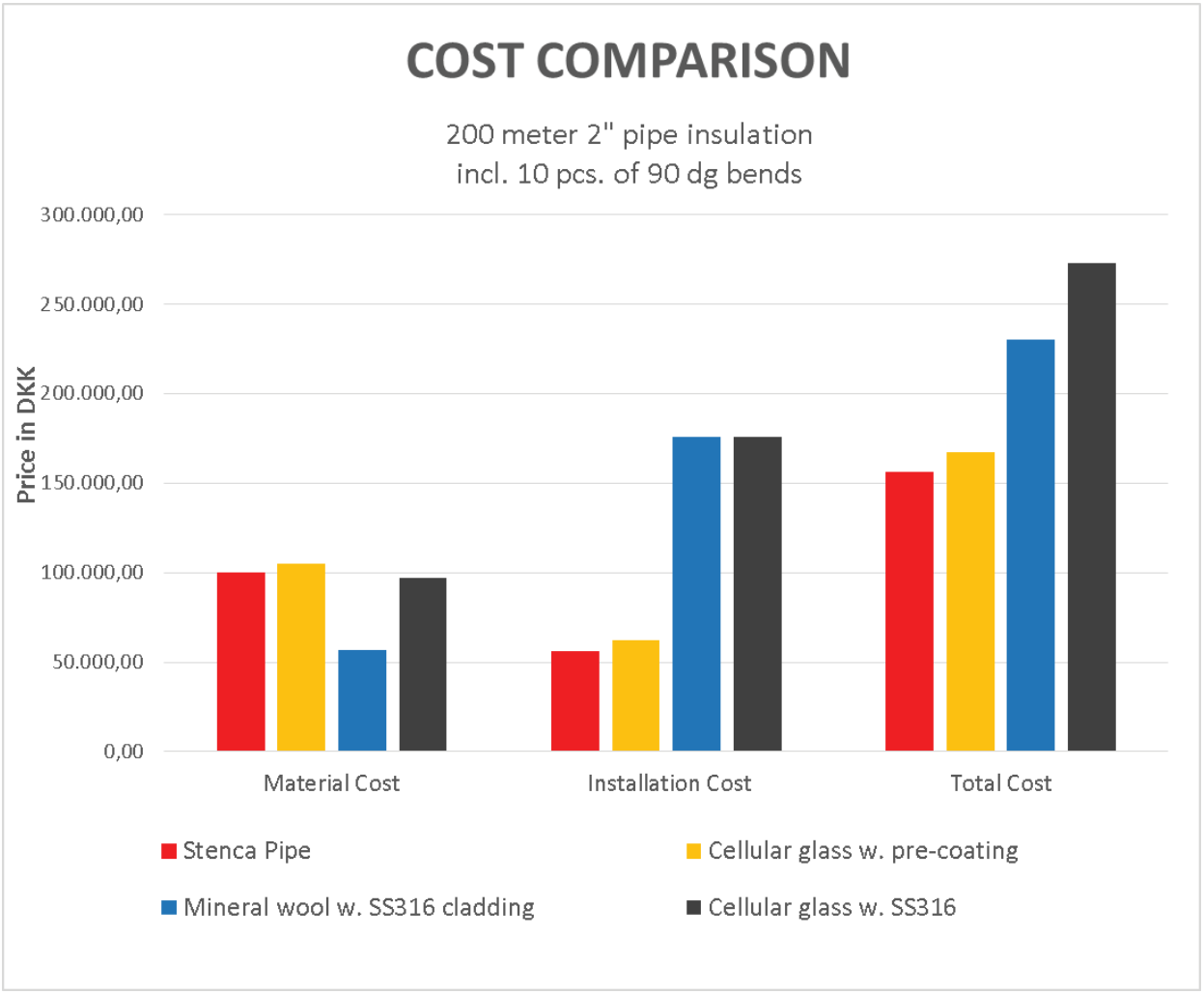
# BENEFITS

| Cross reference scheme<br>External insulation systems by temperatures between -50° C to +140° C | Mineral Wool w. Galv. Steel | Mineral Wool w. SS 316 | Cellular Glass w. Galv. Steel | Cellular Glass w. SS 316 | STENCA PIPE |
|---|---|---|---|---|---|
| Lowest installation cost | ✗ | ✗ | ✗ | ✗ | ✓ |
| Lowest maintenance cost | ✗ | ✗ | ✗ | ✗ | ✓ |
| Long life durability<br>+ 20 years | ✗ | ✗ | ✗ | (✓) | ✓ |
| No Corrosion Under Insulation | ✗ | ✗ | ✗ | (✓) | ✓ |
| Easy to install and reinstate | ✗ | ✗ | ✗ | ✗ | ✓ |
| No hot work required | ✗ | ✗ | ✗ | ✗ | ✓ |
| Low weight<br>(Below 80 kg/m³) | ✗ | ✗ | ✗ | ✗ | ✓ |
| High compressive strenght<br>- step & foot traffic resistant | ✗ | ✗ | ✗ | ✗ | ✓ |
| Short delivery time<br>- high capacity | ✓ | ✓ | ✓ | ✓ | ✓ |
| DNV-GL Certified product<br>- fulfill NORSOK R-004 | (✓) | ✓ | (✓) | ✓ | ✓ |
| No internal water absorption | ✗ | ✗ | ✗ | ✗ | ✓ |
| No release of dangerous or harmfull particles | ✗ | ✗ | ✗ | ✗ | ✓ |
| Easy inspection | ✗ | ✗ | ✗ | ✗ | ✓ |
| Prepared for Heat-Tracing | ✗ | ✗ | ✗ | ✗ | ✓ |
| Installation by all weather conditions | ✗ | ✗ | ✗ | ✗ | ✓ |
| Installed by one person | ✗ | ✗ | ✗ | ✗ | ✓ |
| Limited need for training | ✗ | ✗ | ✗ | ✗ | ✓ |
| Reuseable after inspection | ✗ | ✗ | ✗ | ✗ | ✓ |
| Sea water resistant | ✗ | ✓ | ✗ | ✓ | ✓ |
| Anti-slippery surface<br>and UV-resistant | ✗ | ✗ | ✗ | ✗ | ✓ |
| Acoustic properties | ✓ | ✓ | ✓ | ✓ | ✓ |
| Can be pre-installed onshore | ✗ | ✗ | ✗ | ✗ | ✓ |


COST COMPARISON
200 meter 2" pipe insulation
incl. 10 pcs. of 90 dg bends
Price in DKK
300.000,00
250.000,00
200.000,00
150.000,00
100.000,00
50.000,00
0,00
Material Cost
Installation Cost
Total Cost
Stenca Pipe
Cellular glass w. pre-coating
Mineral wool w. SS316 cladding
Cellular glass w. SS316

# EXPERIENCE

Feedback from operators evaluating and using Stenca Pipe insulation on offshore Oil and Gas Platforms and new build vessels, confirms the unike benefits of the product.

**EXPERIENCE BY USING STENCA PIPE INSULATION ON OFFSHORE OIL AND GAS PLATFORM:**
"Hess Corporation DK has used Stenca Pipe Insulation on our operating platform SOUTH ARNE placed in the Danish sector of the North Sea. The first Stenca Pipe insulation was installed on one of our external process lines in 2004. Since, all other external process lines has been insulated with Stenca Pipe.

Experience regarding CUI
Doing process pipeline inspections in different areas insulated with Stenca pipe, were controlled for possible corrosion and material durability. The conclusion: No sign of CUI has been found. No sign of instability or deterioration.

Experience with installation and dismantling
Very easy installation and can be done by none-skilled personnel. In connection with inspection it's very easy to dismantle and reinstate again.
On behalf of our experience, we have chosen only to use Stenca Pipe Insulation on our two new wellhead platforms placed and installed in 2013.
Therefore, we can strongly recommend Stenca Pipe insulation on offshore utility and process lines."

# OTHER REFERENCES

## APPLY LEIRVIK - ARTIC EXPRESS

## DFDS SEAWAYS - DOLPHIN

## GMC - HESS

## MAERSK - NORTH ATLANTIC DRILLING

## RADØYGRUPPEN - SCANDLINES

## SONGA OFFSHORE - STATOIL

## TEEKAY - THOR OFFSHORE

## TRANSOCEAN