

Inlay Crane Cradles



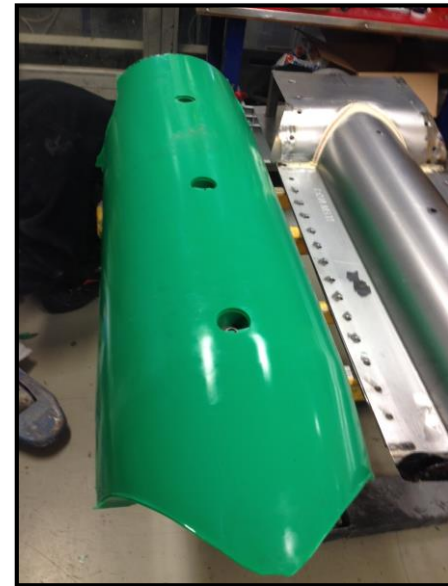


SEMEK



Semek supplies specially designed, molded plastic products in polyurethane.

- Reduction of noise and vibration.
- Gentle storage of sensitive equipment.
- Shock absorption, weight reduction and corrosion protection.
- Good load bearing properties, and low degree of permanent deformation when loaded.
- Elastic in large temperature range; - 80 ° C to + 80 ° C
- Clearly visible color.
- Well-suited for subsequent machining.
- Very high resistance to abrasive wear.



• Some deliveries /customers

- **HEIDRUN/GULLFAKS, 2012** Inside block for crane cradles to the West / East crane **Statoil ASA**
- **RIGMAR, 2013** Inside block for Crane cradles **COSL Drilling Europa AS**
- **VALEMON, 2013** Inside block for Crane cradles **Nov / National Oilwell Varco**
- **HEIDRUN, 2013** Drilling riser support. **Odfjell Drilling Management**
- **VALEMON 2014** Cradles and inside blocks for storage of pipes to firewater-/seawater pumps. **ScanTech**
- **VALEMON 2014** Cradles on trolley **ScanTech**
- **VALEMON 2014** Guide Bumper and Polyurethane Pad **Samsung Heavy Industries**
- **HEIDRUN, 2014** Sub support on alupallet **Odfjell Drilling Management**
- **OSEBERG A og B, 2015** Inside block for Crane cradles **Statoil ASA**
- **GINA KROG, 2016** Safety Barrier **DSME**
- **GULLFAKS A, 2016** Craneboom protection **STATOIL**
- **KVITEBJØRN, 2017** Craneboom protection **STATOIL**
- **DEEPSEA STAVANGER, 2017, CRANE 1** Inside block for Crane cradles **ODFJELL INVEST AS**
- **DEEPSEA STAVANGER, 2017, STYRBORD** Inside block for Crane cradles **ODFJELL INVEST AS**
- **DEEPSEA ABERDEEN, 2017,** Inside block for Crane cradles **ODFJELL INVEST AS**
- **JOHAN SVERDRUP, 2018,** Inside block for Crane cradles, **PALFINGER MARINE NORWAY AS**





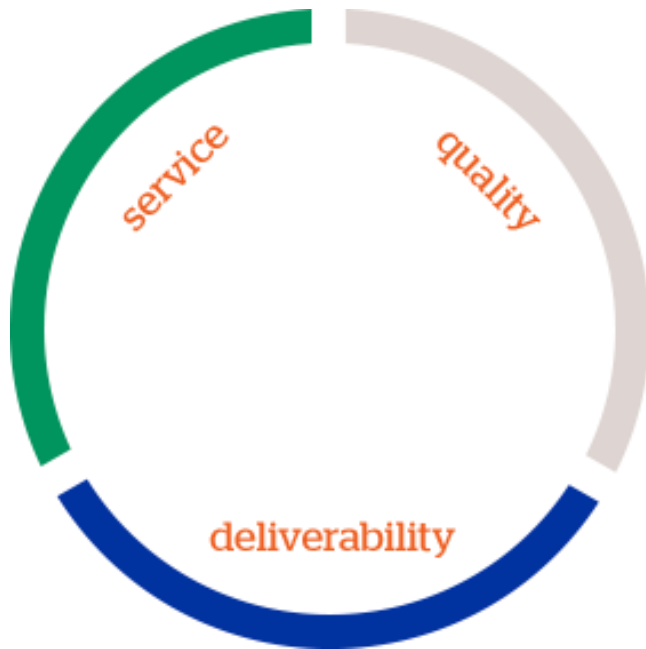
We are ready to cooperate

About Semek:

- We have substantial accumulated experience as a problem-solver and supplier to the industrial sector. Customized solutions with polyurethane is our niche. The customer's needs and requirements are what is decisive in the design and functionality of the final product.
- We possess expertise about the benefits of using polyurethane, but also about its limitations. We customize solutions that make the best match with a customer's needs.
- Our focus is on quality, capacity to deliver and service.



Our goal:



To develop new products with **superior properties** that create value for our customers, through new and better solutions.



Development of inside block for crane cradles



Valemon

Challenge:

Experience from other platforms that an undesired event was arising because material in the inlay in the cradle has traditionally been of oak.

Bits were coming loose due to mechanical effects from the cranes.

Bits had fallen down and could have created dangerous situations. The desire thus was to have a different material for the inlay in this new cradle.

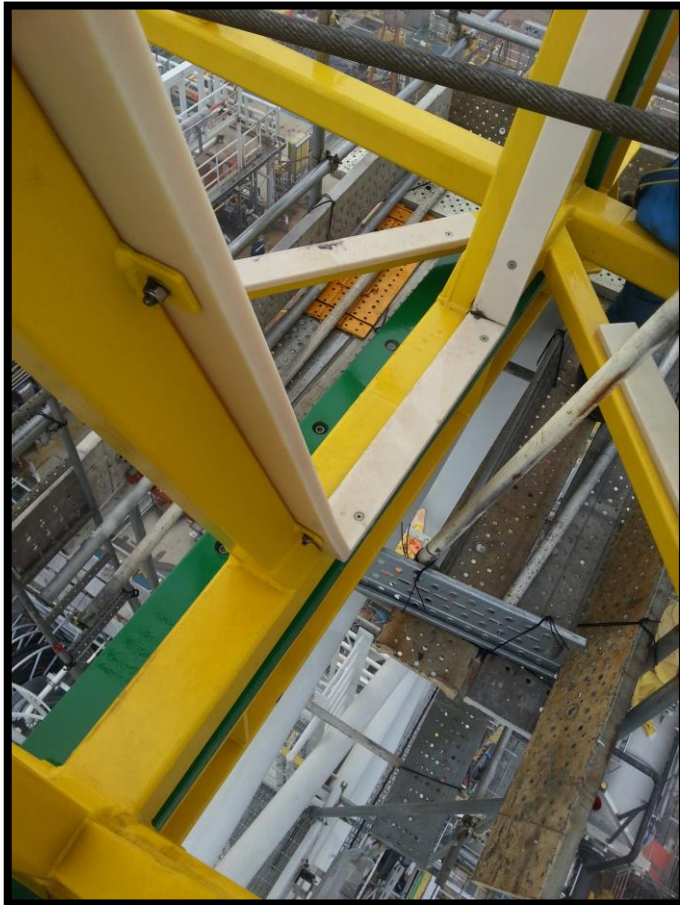
Solution:

We designed a proposal in 3D after having received a dimensioned sketch. The design was completely clarified here. The product was to fit in with a crane cradle that had already been produced.

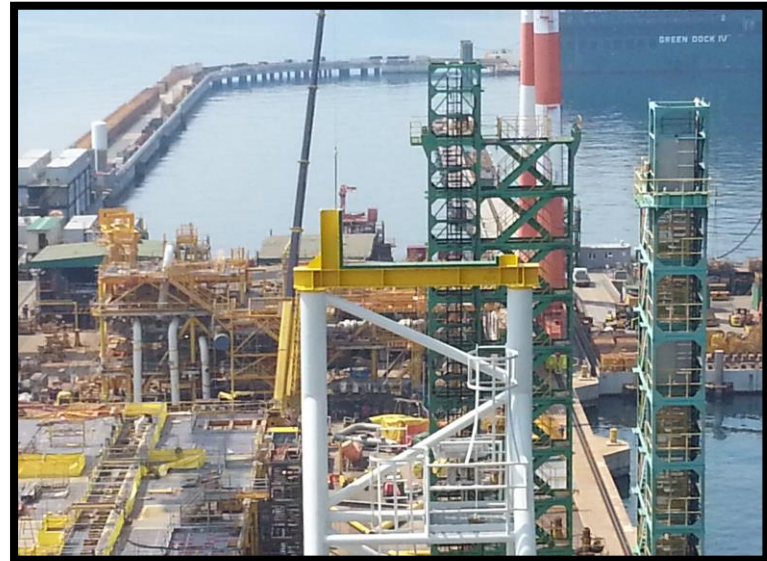
The drawings were approved, and we produced the inlay for the cradle in polyurethane.

This will be a permanent good solution, since the polyurethane inlay was moulded in entire parts, and it will not break apart or be deformed by mechanical loads.

Inlay crane cradles



- Deliveries delivered from 2012 - 2018.
- For krankrybber at: Heidrun, Gullfaks A / B / C, Valemon, Rigmar, Oseberg A / B, Kvitebjørn, Deep Sea Stavanger, Deep Sea Aberdeen, Johan Sverdrup.
- Customers: Statoil, NOV, Cosl Drilling Europe, Palfinger, Odfjell Invest.





SEMEK

Quality Control:



- Semek have quality assurance system based on ISO 9001: 2008.
- We have a strong focus on quality in all of our production.
- Based on the customer's specification, we control the products with regard to: dimension, durability, elasticity, colour, shape and surface.
- For advanced testing we have access to the testing laboratory at our raw material supplier.

References:

" Rapid and detailed follow-ups, modern technology and customized products in polyurethane.

This, in conjunction with high quality and short lead times, has made SEMEK a preferred partner both for the development of innovative technical solutions as well as for mechanical maintenance issues."

Børge Selstad - Prod.director - Norwegian Crystals

" Among our 400 member companies, SEMEK is an innovative participant in the market, developing new and future-oriented solutions quite quickly for the oil and gas sector.

We have seen a number of Semek products that we are certain will provide substantial usage benefits offshore both nationally as well as internationally."

Kjell Giæver - Director - Petro Arctic

We customize your product

Bring us your challenge!

- We'll find a solution!



Examples of our products:

- Pipe support
- Inlay for Crane Cradles
- Bumpers
- Edge protectors
- Cradles and inside blocks for storage of pipes to firewater/seawater pumps.
- Cradles on trolley.
- Drilling Riser support.
- Variations of hammers.
- Sub support on alu.pallet
- Various products for replacement of other materials.



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