



National Lucker Bowen Ka Quality Tubing Alberta Instru Baylor TS&M BLM Roberds Monoflo Albin's Enterprises Pr Peck-O-Matic Gator Hawk Hous Mathey Tech Power Vector Fih.

w Products Olivell
Subsurface Aborto in the Constitution of the Co Mono Eastern Oil Tools Gardner D.
Pacific Inspection Unit Mariner LO.
Specialty Fibercast Continental EmWilson RMI (Rij Manufacturing) International EmAmcCyde Hydra Rij MiD TOTCO Oil Tool
AmcCyde Hydra Rij MiD Tool
AmcCyde Rij MiD Tool
AmcCyde Hydra Rij MiD Tool
AmcCyde Hydra Rij MiD Tool
AmcCyde Rij MiD Tool
AmcCyde Hydra Rij MiD Tool
AmcCyde Rij MiD Tool ic Miller Official Unit of Steel Fabricators) Skytop Brewster Custom Class. Star Freerglass CO Amiliyale Mallings agent Griffith Star Fiberglass HALCO Universal Fibries Section Brew

field Engineering Varco ell Subsurface Crestex PCF & Insert Versatech Koome rprises Advanced Wirecloth dra Rig Fidmash DELCO lyde Hydra Rig M/D TOTCO oerglass Cardwell Miller O' iner Woolley Fritz Culver Shearer Harrisburg IPS No co Roberds Johnson DELF ing Crestex Advanced Wir facturing International) Fib Wilson BLM M/D TOTCO











GLOBAL DROPS PREVENTION GROUP

Łukasz Szadkowski

KRISTIANSAND







WHERE WE ARE









NOV Global business units

NOV's vast operations are divided into three financial reporting segments





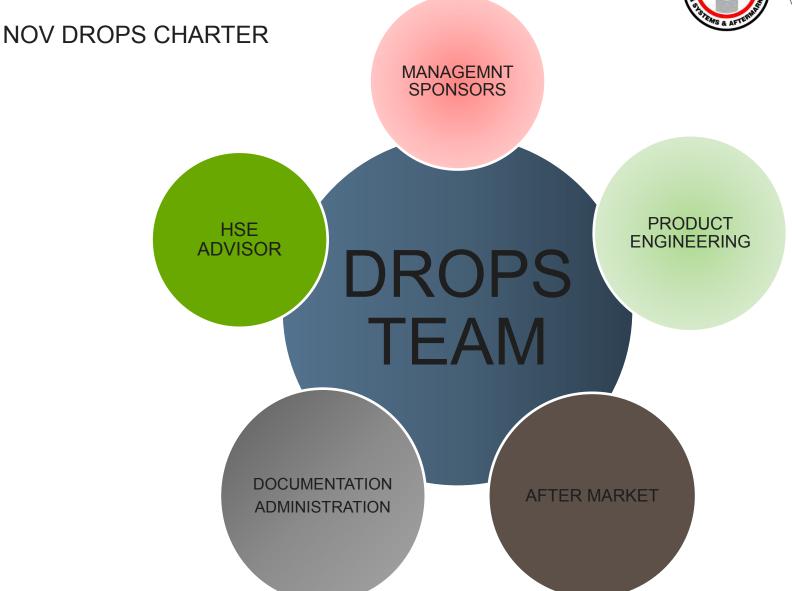


















Tracking Dropped Objects

Tracker Tickets are used by NOV for logging customer:

- Questions
- ssues
- Complaints

Tracker Tickets can be related to:

- field support, people
- field support, technical
- parts
- product performance
- product quality
- requested design changes/modifications



HSE incidents-unplanned

HSE LY



and uncontrolled events that result in:

- a dropped object,
- · near hit (near miss),
- injury not requiring medical care (first aid, non-recordable),
- injury requiring medical care (recordable),
- fatality,
- damage to the environment.

What is a dropped object for NOV DROPs?

- Part of machinery/equipment detached/separated and dropped or launched from original mounted position.
- Uncontrolled and unplanned release of stored energy







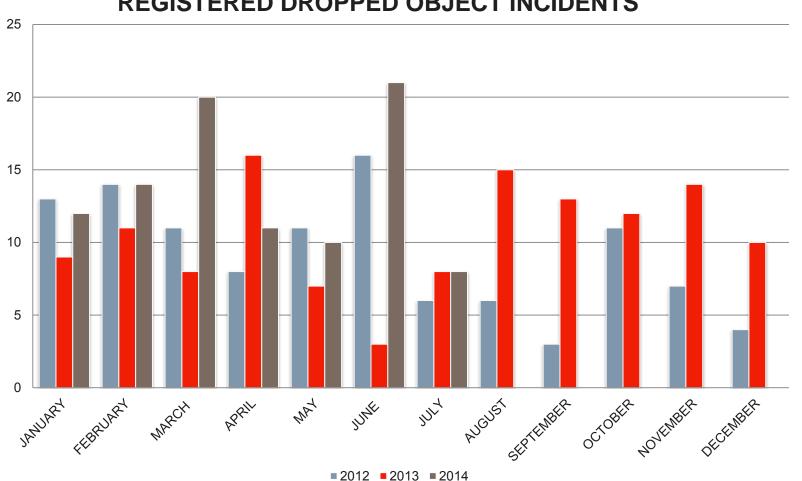






Incidents in numbers

REGISTERED DROPPED OBJECT INCIDENTS









Average number of DROPS incidents per month:

• 2012 9,2

• 2013 10,5

2014 12,0

Reasons:

- Increase number of equipment in operation
- Internal Dropped Object focus (NOV)
- High Customers focus on DROPS
- Growing industry awareness







LESSONS LEARNED:

- HPS DOLLY TRACK ROLLERS
- BRIDGE RACKER TACHO
- CRANE BOOM REST
- INSTALLATION





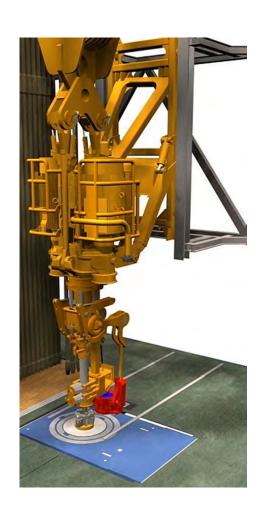


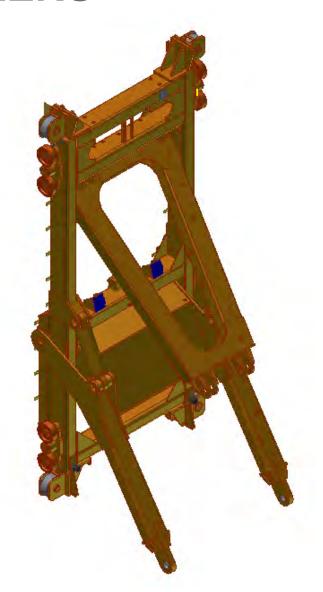








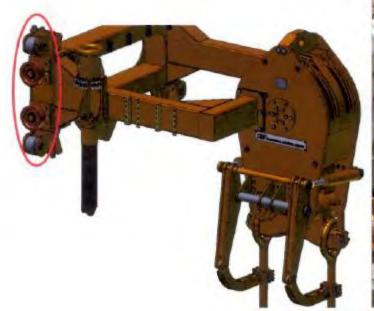






















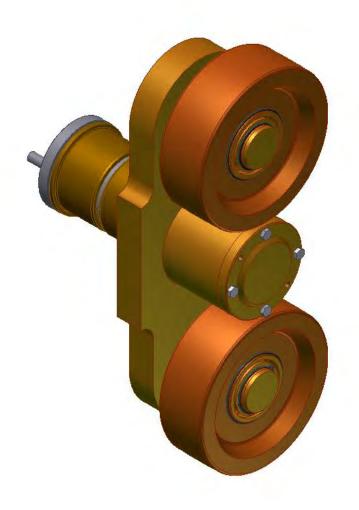


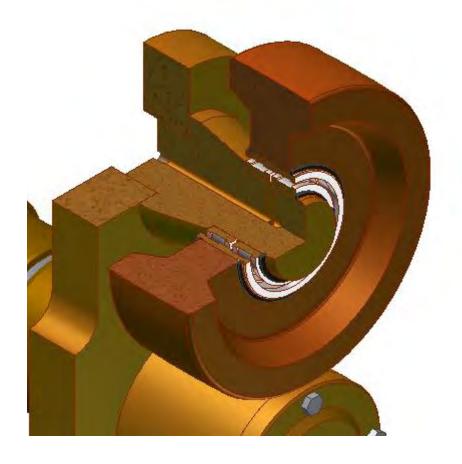








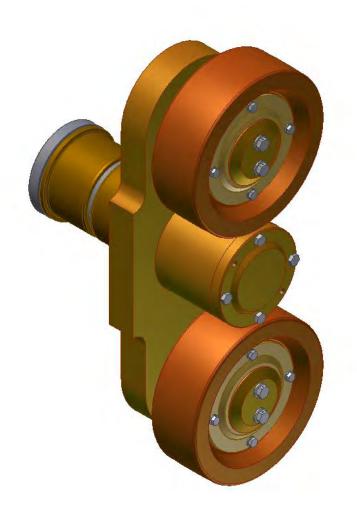


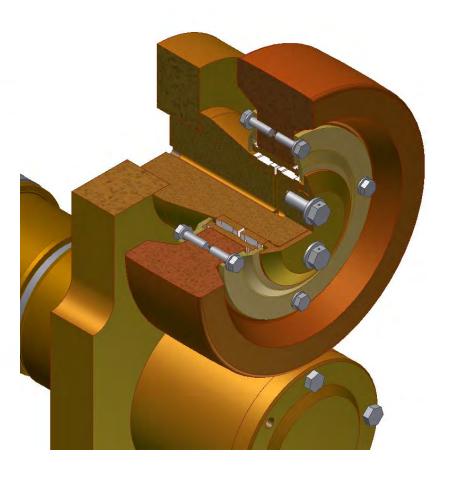


















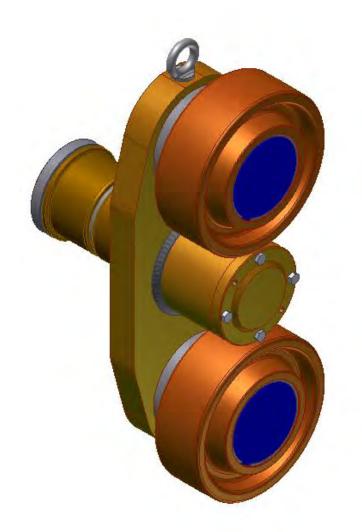


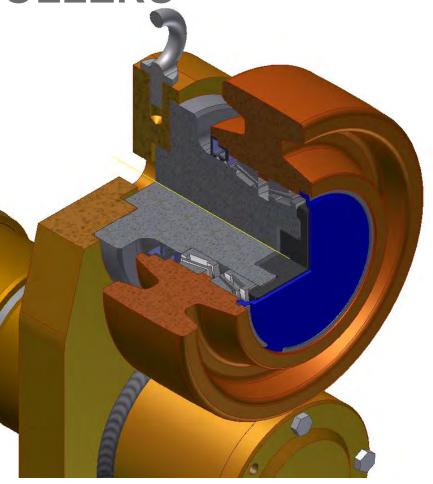








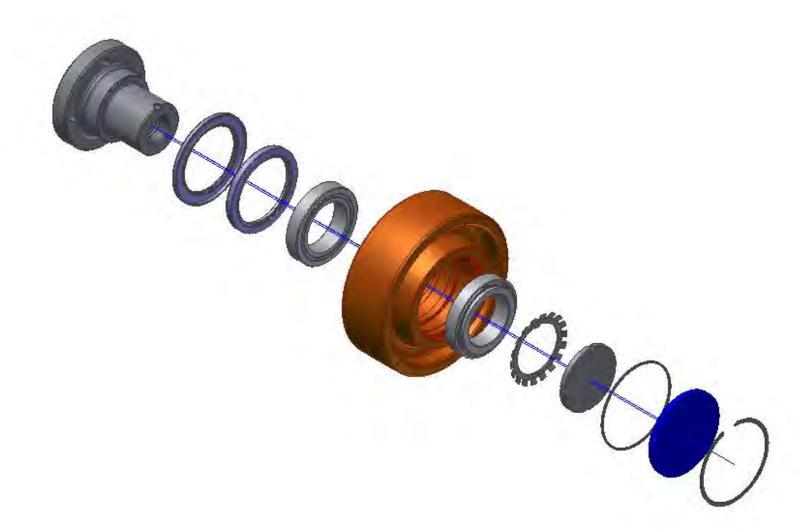








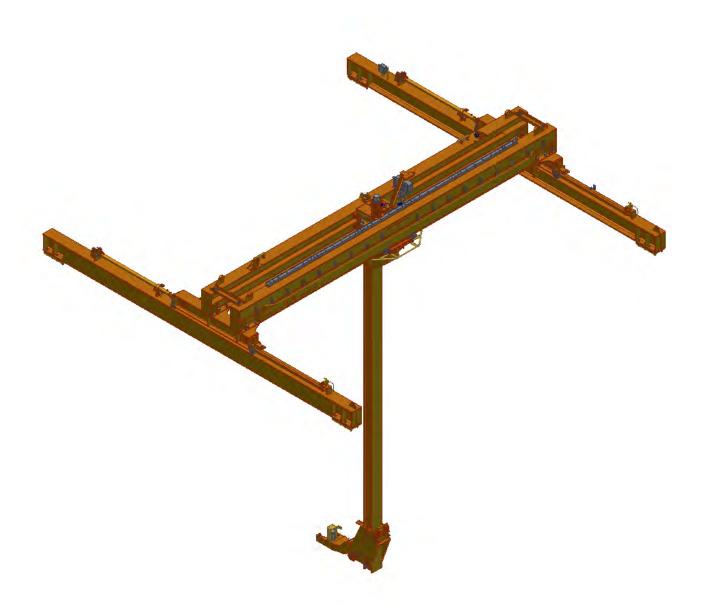










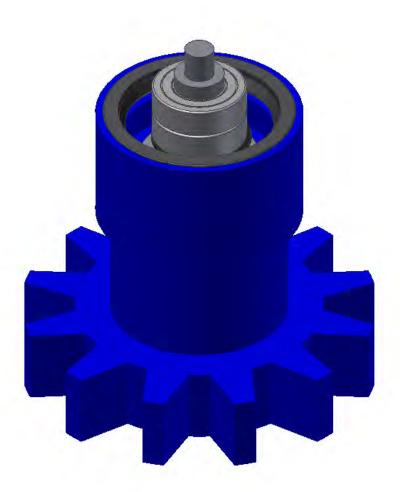








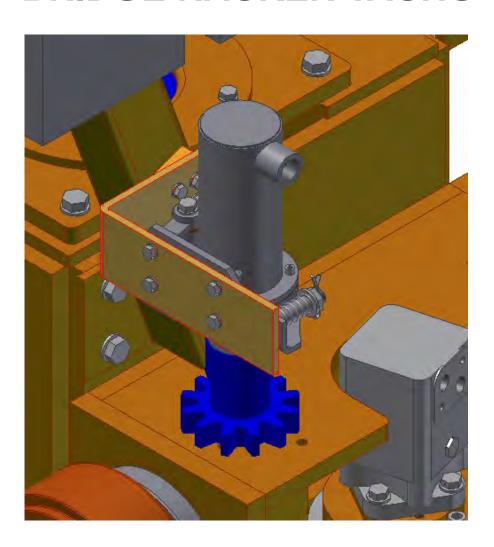


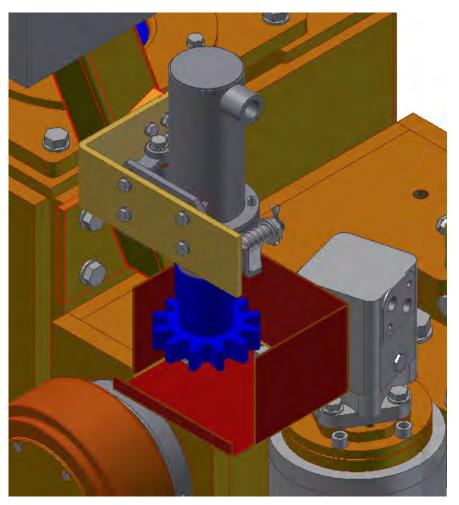








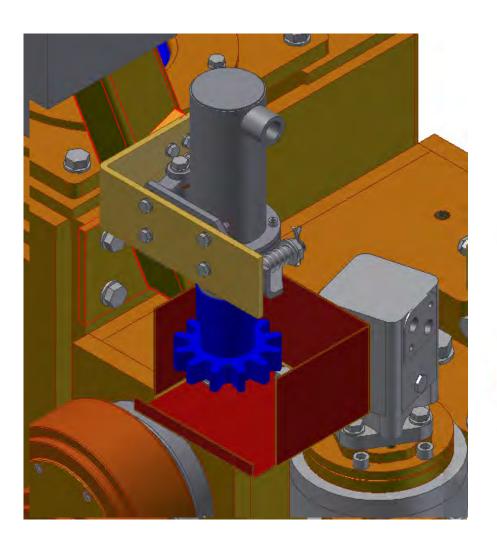


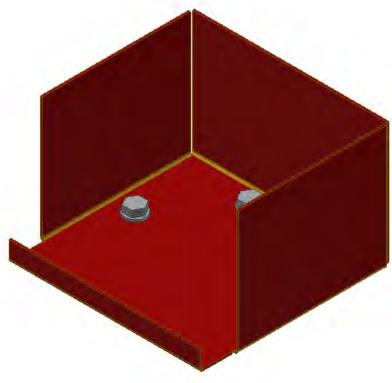












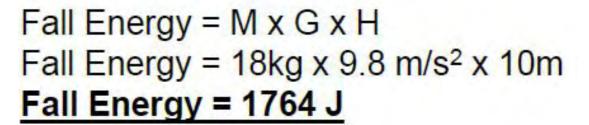






CRANE BOOM REST







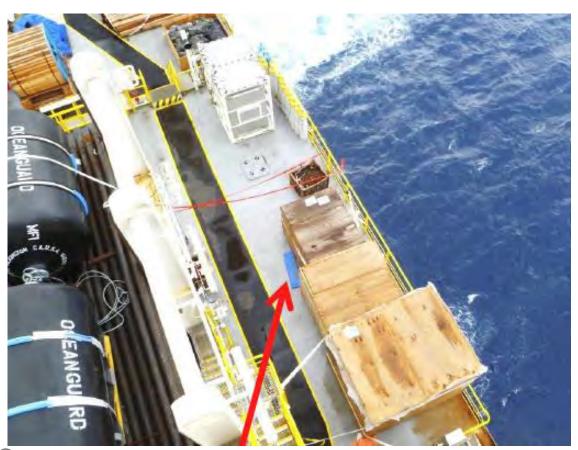








CRANE BOOM REST











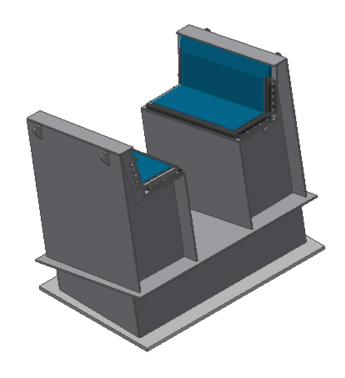
CRANE BOOM REST

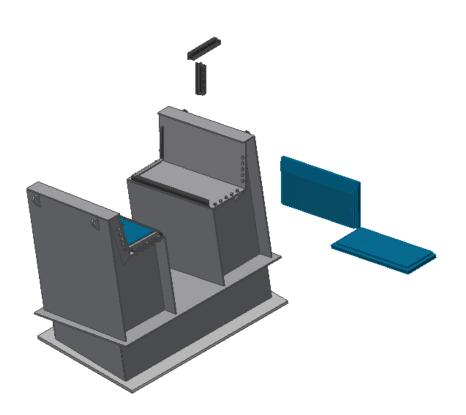














INSTALATION

















INSTALATION





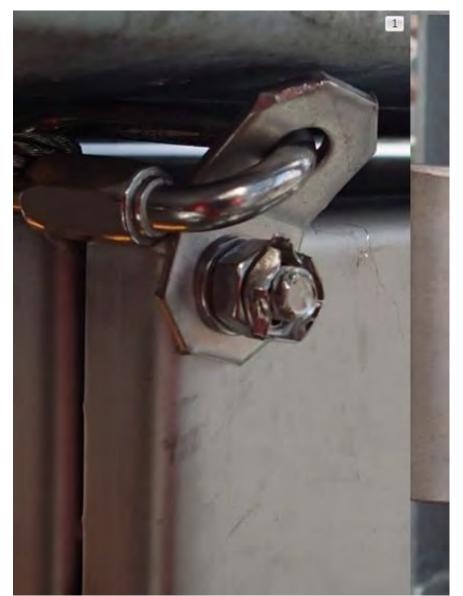








INSTALATION







Lukasz Szadkowski NOV DROPS GROUP

<u>lukasz.szadkowski@nov.com</u> <u>RS-NOR-DROPSteam@nov.com</u>