



BACEI S.p.A.

BACEI S.p.A.

Head Office
Via P. R. Giuliani, 10
20052 Monza (Mi) - Italy
Tel. +39. 039. 23 15 084
Fax +39. 039. 23 28 080
<http://www.bacei.com>
e-mail: info@bacei.com

BACEK Kazakhstan Ltd

Almaty Office
10a Abay ave., 8th floor
Almaty, Kazakhstan 480013
tel: +7 (3272) 671 126, 671 127
tel/fax: +7 (3272) 728 794
<http://www.bacei.com>
e-mail: bacek@kape.kz

ICAPP

International • Contingency • Audit • Prevention Program

BACEI SpA (www.bacei.com) is a Leader HSE & Loss Prevention International Company.

CUDD Well Control (www.cuddwellcontrol.com) is a leader International Well Control Company.

BACEI SpA and Cudd Well Control have formed a strategic alliance to provide combined services under a single source. The unique ICAPP program takes advantage of the combination of the specific experience in E&P Loss Prevention and in Well Control. The added value is in the ICAPP solutions to reduce the risks (people, assets, environment and reputation) in E&P projects.

ICAPP helps Companies to prevent harm to people, damage to environment, loss of assets and reputation in E&P activities

ICAPP helps Companies to prevent harm to people, damage to environment, loss of assets and reputation in E&P activities



- Well Control
- Well Control Engineering
- Well Capping
- Fire Fighting Operations
- Well Control Site Management
- Project Management
- Relief Well Implementation
- ... etc.

ICAPP®

- Blowout Contingency Plans
- Well Risk Management
- Emergency Response Plans
- Relief Well Design
- Blowout Ignition Plans
- Rigsite Safety Supervision
- Incident Investigation
- Monitoring
- Rig Audits
- Training



- Well Design & Construction
- Loss Prevention (HAZID, HAZOP, SIL, etc.)
- Hydraulics & Kill Simulations
- Toxic Gas Dispersion Modeling
- Explosion Blast Modeling
- Well Construction HSE Supervision
- Environmental Impact Assessment Studies
- Occupational Health
- HSE training
- ... etc.

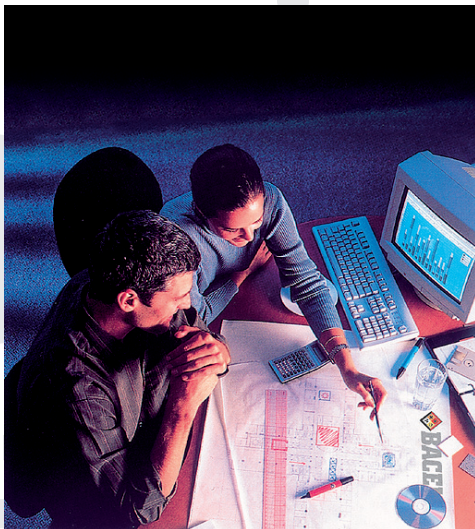
The blowout incident is the top loss event in the E&P industry. Lessons learnt from blowouts are fundamental to prevent future incidents and safety must be part of a project from the initial stages. Since 70 to 90 % of the design decisions that affect safety are taken in early phases of a drilling project, be it new installations, new rigs, or well design, loss prevention is primary building block in safety, not an add-on it on to a completed design. Special focus needs to be given to safety critical equipment (BOP, Safety Valves etc.), competence and human factors as they all are extremely important factors in E&P safety.



BACEI S.p.A.

The services available under ICAPP include:

- Blowout Contingency Plans
- Well Risk Management
- Emergency Response Plans
- Relief Well Design
- Blowout Ignition Plans
- Blowout Bowtie Analysis
- Geopressures, Shallow Gas
- Well Design & Construction
- Hydraulics & Kill Simulations
- Toxic Gas Dispersion Modeling
- Explosion Blast Modeling
- Accident & Incident Management
- Safety during Well Control Operations
- Well Construction HSE / Well Control Surveillance
- JSA, Toolbox Talks, etc.
- Permit to Work implementation and procedures
- Fire Safety, Escape Routes, Toxic Gas Protection
- Deluge Systems
- Task Risk Assessment
- Environmental Impact Assessment Studies
- Occupational Health in E&P
- Rigsite Safety Supervision
- Incident Investigation
- Monitoring
- Rig Audits
- HAZOP / HAZID on Installations, Rigs, Wells
- Assessment of explosion design loads
- Optimisation of layout during design
- Safety Case
- Well Plan Safety Review
- Identification of worst case scenarios
- Disaster prevention, mitigation & emergency response planning
- Implementation of COMAH regulation
- Extent and severity of major accidents
- Post accident investigation
- Demonstration and documentation of current explosion, heat radiation and toxic gas safety measures
- Failure Mode and Effect Analysis (FMEA)
- Verification of existing design
- Quantification of risk reduction measures
- Probabilistic assessments
- Demonstration of performance standards
- Peer review of safety documentation
- HSE training (including H2S, Rigging & Slings, Confined Space, Working at Height, etc.)
- Well Control Manuals and Procedures



ICAPP contacts:

BACEI

Via P.R. Giuliani, 10,
20052 Monza (MI), Italy
Phone +39(0)39-2315084, or +393472454889
Email: icapp@bacei.com
Contact Person: E. Saperdi

CUDD Well Control

15015, Vickery Dr,
Houston, TX 77032, USA
Phone: 1.800.990.2833 or 1.713.849.2769
Email: tpoldrack@cudd.com
Contact Person: T. Poldrack