

3. Presentation of Mobile Manufacturing Units Of Explosive (UMFE)

3.1. General Presentation

Mobile SMS Explosives Manufacturing Units (SMSMUs) are vehicles on which equipment is mounted to produce on the site of use an explosive emulsion from an aqueous phase and a fatty phase produced in Workshop at zone 130. The UMFE mixes the two phases in an emulsifier to form a non-explosive emulsion (mother emulsion). A gassing reagent and porous ammonium nitrate (NAP) are then added to this emulsion to make it explosive once pumped and transferred to the borehole.

The process can be summarized in the following diagram:

