

## **UG TANKS – New & innovative approach:**

- **PURPOSE / OBJECTIVE:**
  - These UG Tank Standards are to offer steps & guidance for the design, construction & usage of UG Tanks; and the intent is to present them at a level to be understood and applied by rotomoulders; and they may understand and be comfortable with their application. Of course most moulders may need & use outside expert help for applying the formulas /math, and also things like FEA and consultation with material suppliers.
- **PREPARATION & FINALIZATION OF THE Shape / Size & Tanks Specifications:**
- **DESIGN GUIDANCE – Forces / Formulas & Methodology:**
- **MATERIAL SELECTION GUIDELINES: [can / should provide some basic key specs for the grades:**
- **PRODUCT APPLICATION & SPECS:**
- **TOOLING COMMENTS / Guidance:**
- **FEA Analysis & Verification / Validation:**
- **Certification & Verification:**
- **Various KEY TESTS & TESTING:**
- **PROCESSING / MANUFACTURING & Secondary Operations:**
- **CONSISTENCY Verification – QA/QC:**
- **Final Inspection & Approval to Ship**
- **HANDLING / STORAGE / PACKING & SHIPPING:**
- **Site Civil Engineering / Installation & Back-Fill etc:**
- **Testing / Inspection & Approval, before commissioning into USE:**
- **After Install – periodic Maintenance:**