

Combit

Value Added Engineering



History

Worldwide and growing

- ▶ **Head office located in Stockholm, Sweden**
- ▶ **Established in 1989, continued growth ever since**
- ▶ **Pioneered Russia & FSU for Emerson Saab Rosemount**
- ▶ **Leading distributor of instrumentation for tank farm, refinery and pipeline**
- ▶ **Distributor of main brands like Saab Rosemount, Controlotron and Drexelbrook**



Today

Active engineering at its best

- ▶ **Engineering corporation since 1994 with turn key capabilities**
- ▶ **Reputed tank farm, refinery offsite and pipeline engineering corporation**
- ▶ **Combit and project managers certified internationally**
- ▶ **Quality assurance system**
 - ISO 9001 Certified
- ▶ **Credit rank**
 - Highest AAA credit rate by D&B

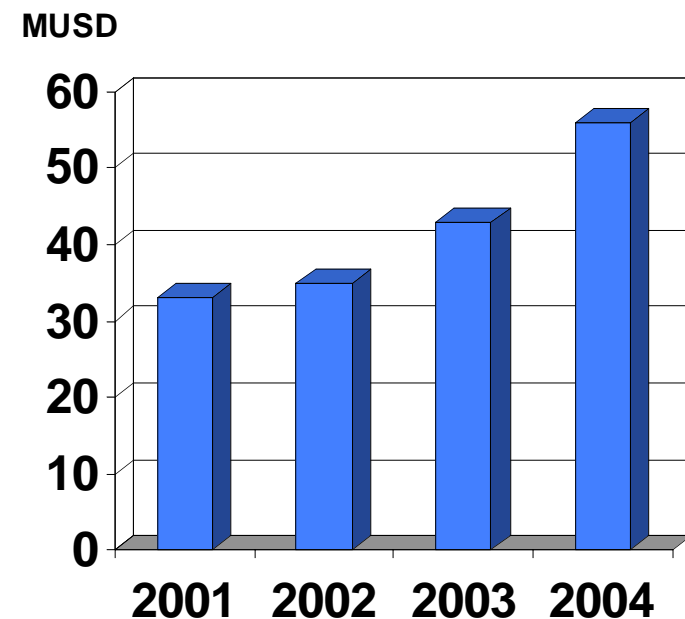


Growing

Growing in numbers & markets

- ▶ **Combit Group revenue in the new millennium (graph)**
- ▶ **Furnishing of dozen oil fields and oil custody transfer stations**
- ▶ **Reconstruction of more than 30 pipeline transport facilities**
- ▶ **Reconstruction and modernization of 23 oil refineries**
- ▶ **Complete construction and reconstruction of port terminals, dozens of oil tank farms owned by various international oil companies**
- ▶ **Retrofit and refurbishing of many gas processing plants and petrochemical facilities**

Combit Group



Pioneers

Leading expertise from everywhere

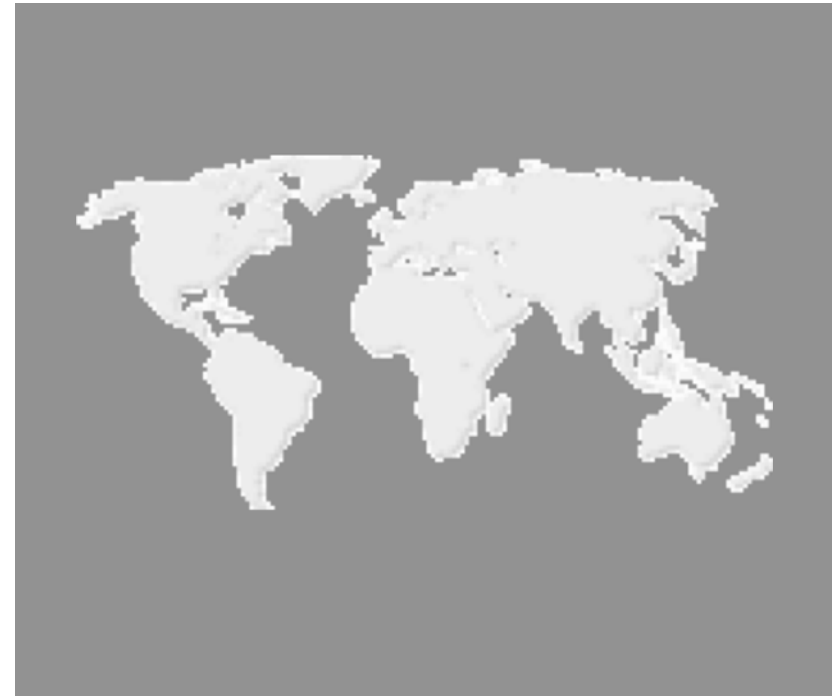
- ▶ **Experts from Sweden, Russia, Latvia, USA, UK, and Ukraine**
- ▶ **Experts has worldwide education, training and working experience**
- ▶ **100 designers and 200 engineers**
- ▶ **Several hundred contracts a year**
- ▶ **100 new or re-constructions of plants**
- ▶ **Automation of about 3000 tanks and 600 flow meters**
- ▶ **Major customers & suppliers around the world**



Locations

Combit Corporation team locations

- ▶ **Sweden**
- ▶ **Russia**
 - Moscow
 - Nahodka
 - Ryazan
 - Tuapse
- ▶ **Latvia**
- ▶ **USA**
- ▶ **UK**
- ▶ **Ukraine**



Markets

Offering a diverse portfolio

- ▶ **Oil fields, pre-process and collecting stations**
- ▶ **Oil & gas pipelines, including stations**
- ▶ **Refinery and petrochemicals**
- ▶ **Port export terminals**
- ▶ **Distribution terminals**
- ▶ **Gas processing plants**



Markets

Offering a diverse portfolio

- ▶ **Metering & Inventory systems**

- Dynamic & static
- Non contact
- Inventory
- Custody transfer

- ▶ **SCADA**

- Boosts responsiveness
- Productivity, optimization
- Safety control
- Ecological safety



Products & Solutions

Evolution on customer needs

- **Tank Farm & Terminal Automation**
 - Scada System
 - Instrumentation
 - Solutions
- **Truck & Ship loading system**
- **Rail tank car loading and unloading stations**
- **Blending systems**
- **Vapor recovery systems**
- **Mobile service units**
 - Mobile oil well test unit
 - Mobile communication center
- **Oil/Water Interface measuring tape**



Services & Engineering

Focused on customer need

➔ Services

- ➔ Plant maintenance
 - ➔ Pump refurbishment
 - ➔ Tank maintenance
- ➔ Measurement studies
- ➔ Calibration and Verification

➔ Engineering

- ➔ Feasibility Study
- ➔ Engineering & Design
- ➔ Consultancy
- ➔ Management
- ➔ Turn-Key Projects



Engineering steps

Active engineering at its best

- ① **Thorough site inspection**
- ② **Determine the optimal technical solution and its approval by the customer**
- ③ **Engineering & design**
- ④ **Delivery of equipment**
- ⑤ **Implementation & installation**
- ⑥ **Start-up & commissioning**
- ⑦ **Documentation & certificates**
- ⑧ **Training & hand-over**
- ⑨ **Support & consulting during operation**



References

Customers from all over the world

International

- ▶ **Chevron**
- ▶ **ABB**
- ▶ **Emerson**
- ▶ **Fisher-Rosemount**
- ▶ **Alfons Haar**
- ▶ **Caspian Pipeline Consortium**
- ▶ **Ventspils Nafta**



FSU

- Chevroil** ◀
- Transneft** ◀
- Lukoil** ◀
- Yukos** ◀
- Gazprom** ◀
- Sidanko** ◀
- Tatneft** ◀
- Bashneft** ◀

Our focus

Where the growth is

- ▶ **Eastern europe**
- ▶ **Far East**
- ▶ **Middle East**
- ▶ **Latin America**
- ▶ **Africa**



Combit standard

Standards and Quality Assurance

Quality

- ▶ **ISO 9001**

Credit rating

- ▶ **AAA**

Safety

- ▶ **Cenelec**
- ▶ **TÜV**
- ▶ **GOST**

Accuracy

- ▶ **API**
- ▶ **OIML**



Gas case

Inculkans gas storage facility, Latvia

- ▶ **Gas measuring station construction**
Productivity: 880 000 m³/h
Third largest in Europe
- ▶ **Measuring gas volume, composition, density and humidity**
- ▶ **Turn-key project**
- ▶ **Design stage finished. Tech. & metrological equipment delivered**
- ▶ **Plans to finish the project - 05**
Mounting of equipment, start-up, certification & commission



Gas case

Inculkans gas storage facility, Latvia Part 2

The benefits:

- ▶ **Modern equipment**
- ▶ **Non-intrusive, non-contact ultrasonic flow meter applied as a main-pipe control**
- ▶ **Turn-key variant of project**
- ▶ **"from a green lawn to the ready object"**



Refinery case

Shimkent Refinery in Kazakhstan

- ▶ **Controlled by Hurricane Hydrocarbons**
- ▶ **Main Contractor:**
Emerson Process Management Corp.
- ▶ **Sub-Contractor:**
Combit. Engineering, equip. & supply
- ▶ **The 2.5 MUSD project includes:**
 - Tank farm automation
 - Delta-V system
 - 56 tanks and 2 pump stations
 - Design of automated fire alarm & fire fighting systems
 - Reconstruction of pump station building
 - Flow control through tank farm



Refinery case

Shimkent Refinery in Kazakhstan Part 2

Benefits:

- ▶ **Boosts responsiveness**
- ▶ **Higher profit because of accurate inventory and flow control**
- ▶ **Security standard increased**
- ▶ **Less maintenance**
- ▶ **Modern equipment**
- ▶ **Non-intrusive, non-contact radar tank gauging system**



Terminal case

Ventspils Nafta & Ventbunkers

Ventspils Nafta

- ▶ Receives oil products by pipelines & rail
- ▶ Further oil transport by pipeline
- ▶ 15 million tons per year of transshipment
- ▶ Handles the largest tankers entering the Baltic Sea. Capacity < 130,000 tons

Ventbunkers

- ▶ Tank farm with 26 tanks
Total capacity: 275 000 m³
- ▶ Further loads oil products in tankers from 4 berths
- ▶ 6 mill tons oil products shipped in 2003



Terminal case

Ventspils Nafta & Ventbunkers Part 2

- ▶ **Four 2-side railway multi-tank loading/unloading racks:**
 - Two at Ventspils Nafta
 - Two at Ventbunker
- ▶ **Turn-key automation of Ventspils Nafta tank farm:**
 - Complete design and engineering
 - Equipment supply
 - Installation, start up & release to production
 - Certification and training
- ▶ **Completed automation of sales procedures, sales and commercial paperwork**
- ▶ **Turn-key fire-alarm automation system**



Terminal case

Ventspils Nafta & Ventbunkers Part 3

Benefits:

- ▶ **Boosts responsiveness**
- ▶ **Higher profit because of fast unloading & delivery**
- ▶ **Security standard increased**
- ▶ **Less maintenance**
- ▶ **Modern equipment**
- ▶ **Innovative unloading solutions for cold climates**



Export terminal case

Sea-port export terminal in Nahodka

- ▶ **Major terminal in Far-East serving China, Japan, North & South Korea**
- ▶ **100 tanks, 7 million tons per annum**
- ▶ **Five sea-birth available**
- ▶ **Three 2-sided railways, 150 rail tanks simultaneously unloading**
- ▶ **Combit is main contractor**
- ▶ **Two new 2-sided railway unloading rack for 8 different products, 70 rail tanks**
- ▶ **Turn-key, Tank farm automation**
- ▶ **New terminal control room**



Export terminal case

Sea-port export terminal in Nahodka Part 2

Benefits:

- ▶ **Boosts responsiveness & capacity**
- ▶ **Higher profit because of fast unloading & delivery**
- ▶ **Security standard increased**
- ▶ **Less maintenance**
- ▶ **Modern equipment**
- ▶ **Innovative unloading solutions for cold climates**



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