

## REFERENCE LIST

E-MAIL : [HRANMASH@INTECH.BG](mailto:HRANMASH@INTECH.BG)

PHONES : + (359 2) 85 111 52

FAX : + (359 2) 85 111 62

HRANMASH IS COMPLETELY INDEPENDENT ENGINEERING GROUP COMPRISED OF QUALIFIED MECHANICAL, ELECTRICAL, SOFTWARE AND DESIGN ENGINEERS, AS WELL AS TRAINED AND HIGHLY QUALIFIED MECHANICAL, WELDING AND ELECTRO-ELECTRONIC FITTERS.

UPON REQUEST AND AS THE CURRENT JOB MAY REQUEST WE RECRUIT AND APPLY CIVIL ENGINEERING, SOFTWARE, HVAC AND ANY OTHER PROJECT RELATED CONSULTANCY FROM A RANGE OF WELL LINKED PARTNER GROUPS AND ORGANIZATIONS.

### SCOPE OF ACTIVITIES :

- UTILITIES ASSESSMENT;
- PROJECT ASSESSMENT;
- OPERATION AUDITING;
- PREVENTIVE MAINTENANCE INSPECTION;
- UTILITIES OVERHAUL;
- PRODUCTION LINE AND/OR UTILITIES REDESIGN AND RELOCATION;
- OPERATION CONSOLIDATION;
- PROJECT DESIGN;
- PROJECT MANAGEMENT;
- TECHNICAL AND/OR PROJECT CONSULTANCY.

ALL A/M BY OUR OWN PERSONNEL AS TECHNICAL SUPERVISION, TURN-KEY ERECTION AND/OR TRAINING OF MAINTENANCE AND OPERATIONAL STUFF AT SITE.

AS THE PROJECT NEEDS MIGHT BE, HRANMASH IS IN POSITION TO DESIGN AND DELIVER SOME ITEMIZED AND/OR COMPLETE UTILITIES, AS FOLLOWS :

- CONVEYOR SYSTEMS – ANY COMMERCIALY AVAILABLE BEVERAGE INDUSTRY APPROVED COMPONENTS;
- TANKS AND FITTINGS – AS PER APPROVED BY CUSTOMER SPECS;
- PROCESS UTILITIES – AS PER APPROVED BY CUSTOMER SPECS.

AS INDEPENDENT ORGANIZATION HRANMASH HAS BEEN USED, HANDLED AND EXECUTED DIFFERENT ON-FIELD AUDITING TASKS AND OPTIMIZATION MODELS AND PROPOSALS FOR IMPROVING OPERATION.

OUR LONG-TERM EXPERTISE HAS PERMITTED US TO COME UP WITH VALUABLE PROPOSALS AND SCHEMES.

## REFERENCE LIST

E-MAIL : [HRANMASH@INTECH.BG](mailto:HRANMASH@INTECH.BG)

PHONES : + (359 2) 85 111 52

FAX : + (359 2) 85 111 62

**HRANMASH** IS IN POSITION TO FORM AND WORK WITH ITS OWN PROJECT TEAMS COMPLETE, OR FORM AD-HOCK PROJECT TEAMS AND MANAGEMENT WITH LOCAL CONSULTANCY AND ENGINEERING ORGANIZATIONS, GIVING IN SUCH A WAY THE NEEDED FLEXIBILITY TO CUSTOMER'S NEEDS AND INTENTIONS IN ORGANIZING THE SPECIFIC TASK.

OUR EXTENSIVE CONNECTIONS WITH RELATED INDUSTRIES MANUFACTURERS, BASED ON OUR COMPLETE INDEPENDENCY ALLOW US TO FORM CUSTOMER MOST SUITABLE PROPOSALS AND DECISIONS.

GIVEN THE SCOPE AND ACQUIRED EXPERIENCE WITH REGARDS TO ABOVE, OUR FLEXIBILITY AS TO THE TASK HANDLING, **HRANMASH** IS PRACTICALLY WITHOUT LIMITS IN FOLLOWING COMPLETELY AND ADJUSTING OURSELVES TO CUSTOMER'S PREFERENCES AND VIEWS.

WE SHALL NEVER HESITATE TO INFORM CUSTOMER AS TO OUR IDEAS AND UNDERSTANDING IN VIEW OF THE SPECIFIC TASK REQUIREMENTS, BUT IT IS INDISPENSABLE LAW WITH OUR ORGANIZATION TO ABIDE COMPLETELY WITH CUSTOMER PREFERENCES AND DECISIONS AT END.

IT IS OUR TARGET AT END TO FACILITATE CUSTOMER DECISIONS, OPTIMIZE AND WHEREVER POSSIBLE SAVE ON CAPITAL AND TIME EXPENSES.

THROUGH THE LAST FEW YEARS **HRANMASH** HAS BEEN SUCCESSFUL AND MOST DELIGHTED TO PARTICIPATE IN ME AREA BIGGEST PROJECTS FOR THE INDUSTRY, AS FOLLOWS :

- **PEPSI-COLA/7-UP  
CONSOLIDATION IN KUWAIT**

COMPLETE MISECELLANEOUS (RB, NRB, PET & CAN)  
LINES RE-DESIGN & RELOCATE ON TURN-KEY AS  
PROJECT DESIGN, MANAGEMENT AND EXECUTION :

- HANDLED IN COLLABORATION WITH  
LOCAL ORGANIZATIONS, INSURANCE SURVEYORS AND PLANT  
MANAGEMENT

- BACK-UP ON UTILITIES & PIPINGS  
INSTALLATIONS FOR THE NEW "SIG" PET/NRB LINE  
ERECTION – DESIGN AND EXECUTION

- **6<sup>TH</sup> OCTOBER NEW PCE PLANT IN  
CAIRO**

"KHS" MS LITTER-LINE RELOCATION – 2x50-SPOUT  
TWIN FILLER LITTER LINE :

- MS LITTER-LINE MAIN OVERHAUL;

- MS LITTER-LINE COMPLETE RE-  
DESIGN WITH ALL-NEW CONVEYOR SYSTEM;

- **COCA-COLA NEW PET  
OPERATION IN YEMEN**

- "O+H" MAIN OVERHAUL OF THE  
EXISTING FILLER, CARBONIZER AND CAPPER;

- RE-MAKE OF CONVEYORS;

## REFERENCE LIST

E-MAIL : [HRANMASH@INTECH.BG](mailto:HRANMASH@INTECH.BG)

PHONES : + (359 2) 85 111 52

FAX : + (359 2) 85 111 62

- CANADA DRY NEW PET/NRB  
LINE – 60 000 BPH

“O+H/KETTNER” COMPLETE RE-DESIGN AND PROJECT  
MANAGEMENT AS NEW SITE ACCOMMODATION :

- COMPLETE ERECT & RE-INSTALL;
- CONVEYOR SYSTEM ACCOMMODATION –  
DELIVERY AND ERECTION OF MISSING CONVEYOR  
SYSTEM PARTS & AUTOMATION;
- DELIVERY AND ERECTION OF NEEDED NEW  
PROCESS EQUIPMENT, AS :
  - NEW CIP AUTOMATIC SYSTEM;
  - SYRUP ROOM UP-GRADE.
- RE-MAKE & ACCOMMODATION OF COMPLETE LINE  
AUTOMATION BASED ON SIMATIC PLATFORM;
- START-UP, COMMISSIONING, LINE TEST-RUN AND  
FINAL DELIVERY;
- NEW OPERATIONAL STUFF TRAINING.

- NEW PET LINE AHWAZ

COMPLETE RE-DESIGN AND PROJECT MANAGEMENT :

- COMPLETE ERECT & INSTALL;
- START-UP, COMMISSIONING, LINE TEST-RUN AND  
FINAL DELIVERY;
- NEW OPERATIONAL STUFF TRAINING.

- COCA-COLA DUBAI

DRY AREA FOR NEW CAN LINE.

- NBC OMAN

RELOCATE, OVERHAUL, RE-INSTALL AND COMMISSION  
SECOND-HAND KHS LABELLER WITH NECESSARY NEW  
BOTTLE CONVEYOR FOR EXISTING PET LINE.

- SIWA WATER EGYPT

DRY AREA FOR EXISTING PET LINE.

COMPLETE OVERHAUL OF 2 RB LINES :

- COCA-COLA JORDAN

- “KRONES” RB 48 000 BPH – SINGLE-SERVE;
- “KHS” RB 48 000 BPH – MULTTI-SERVE AND  
SINGLE-SERVE.

## REFERENCE LIST

**E-MAIL :** [HRANMASH@INTECH.BG](mailto:HRANMASH@INTECH.BG)

**PHONES :** + (359 2) 85 111 52

**FAX :** + (359 2) 85 111 62

- COMPLETE DRY-END RE-MAKE AND INSTALL NEW MACHINERY;
- COMPLETE WET AREA RE-MAKE, DELIVER AND INSTALL NEW MACHINERY.
- START-UP, COMMISSIONING, LINE TEST-RUN AND FINAL DELIVERY;

“KRONES/SIDEL” COMPLETE RE-DESIGN, RE-LOCATE AND PROJECT MANAGEMENT AT NEW SITE  
ACCOMMODATION :

- COCA-COLA BEVERAGES  
PAKISTAN/LAHORE – PET LINE  
RE-LOCATION, COMPLETE  
FILLING AND PACKAGING LINE  
WITH RELEVANT UTILITIES  
SUPPLIES

- KRONES WET AREA AND COMPLETE BOTTLE AND TRAY-PACK CONVEYOR;
- NO. 2 SIDEL BLOW-MOLDING MACHINES COMPLETE WITH PRE-FORM SUPPLY, WARMERS, COOLERS AND NO. 3 HP AIR-COMPRESSORS;
- NO. 2 AIR CONVEYOR SETS – LING/GEBO WITH MERGER;
- DE-COMMISSION AND UN-INSTALL;
- PACKAGE AND AIR-FREIGHT TO NEW SITE;
- RE-DESIGN AND ADD NEEDED NEW AIR AND TRAY CONVEYOR SYSTEMS COMPLETE WITH NEW CONTROL PANELS;
- CONVEYOR SYSTEM ACCOMMODATION – DELIVERY AND ERECTION OF MISSING CONVEYOR SYSTEM PARTS & AUTOMATION;
- DELIVERY AND ERECTION OF NEEDED NEW PROCESS EQUIPMENT, AS :
  - NEW CLEAN ROOM ENCLOSURE FOR FILLER WITH HEPA FILTER SYSTEM;
  - AIR & TRAY CONVEYORS.

## REFERENCE LIST

E-MAIL : [HRANMASH@INTECH.BG](mailto:HRANMASH@INTECH.BG)

PHONES : + (359 2) 85 111 52

FAX : + (359 2) 85 111 62

- RE-INSTALL COMPLETE AT NEW SITE;
- RE-MAKE & ACCOMMODATION OF COMPLETE LINE AUTOMATION;
- START-UP, COMMISSIONING, LINE TEST-RUN AND FINAL DELIVERY;

### MULTIPACK INSERTION IN EXISTING KHS CAN LINE – 6 PACKING PATTERNS :

- COCA-COLA JORDAN – 36 000 CPH

- RE-MAKE EXISTING DRY END TRAY PACK CONVEYOR SYSTEM;
- DESIGN & SUPPLY NECESSARY HARDWARE;
- DESIGN & ACCOMMODATE NECESSARY SOFTWARE;
- DESIGN & SUPPLY NECESSARY AUTOMATION & CONTROLS;
- START-UP, COMMISSIONING, LINE TEST-RUN AND FINAL DELIVERY;

### NRB INSERTION IN EXISTING KRONES RGB LINE :

- CARLSBERG BULGARIA – 45 ÷ 60 000 BPH

- RE-LOCATE, INSTALL & START-UP EXISTING KHS MARKANT GLASS BULK DE-PALLETIZER;
- DESIGN & SUPPLY NECESSARY HARDWARE;
- DESIGN & ACCOMMODATE NECESSARY SOFTWARE;
- DESIGN & SUPPLY COMPLETE NEW BOTTLE CONVEYOR SYSTEM;
- DESIGN & SUPPLY NECESSARY AUTOMATION & CONTROLS;
- START-UP, COMMISSIONING, LINE TEST-RUN AND FINAL DELIVERY;

## REFERENCE LIST

E-MAIL : [HRANMASH@INTECH.BG](mailto:HRANMASH@INTECH.BG)

PHONES : + (359 2) 85 111 52

FAX : + (359 2) 85 111 62

VARIOUS AUDITING & CONSULTING JOBS.

ENCLOSED SOME VISUALISATIONS AND PROJECT LAYOUT EXAMPLES EXECUTED SO FAR BY OUR HRANMASH  
WORLD-WIDE.