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| **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.  All a/m by our own personnel as technical supervision, turn-key erection and/or training of maintenance and operational stuff at site.  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.  **HRANMASH** is providing services in three basic patterns – complete and/or separately at relevant sub-levels and/or in combinations as particular job may require. | | | |
| **Pattern One (P1)** | **Pattern Two (P2)** | | **Pattern Three (P3)** |
| * Utilities audit and assessment | * Technical and/or project consultancy | | * Operation consolidation |
| * Operation auditing | * Preventive Maintenance Inspection | | * Project design |
| * Project assessment | * Utilities maintenance and overhaul | | * Production line and/or utilities redesign and relocation |
| As the project needs might be, **HRANMASH** is in position to design and deliver some itemized and/or complete utilities (**PD**), as follows :   * conveyor systems – any commercially 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, optimization models and proposals for improving operation. | | | |
| Our long-term expertise has permitted us to come up with valuable proposals and schemes. | | | |
| **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. | | | |
| **References** | | | |
| Through the last few years **HRANMASH** has been successful and most delighted to participate in some big industry projects like follows : | | | |
| * **PEPSI-COLA/7-UP consolidation Kuwait** | | * 36 000 bph RB/NRB line relocate as per **P3** * 38 000 cph can line relocate as per **P3** * 18 000 bph PET line utilities design and install as per **PD** | |
| * **“6th October” new PCE plant Cairo** | | * 50 000 bph twin-filler line relocate as per **P2**, **P3** * design, supply and install complete new conveyor system as per **PD** * supply and install additional second-hand crating and de-crating system as per **P2** and **PD** | |
| * **COCA-COLA new PET operation Yemen** | | * modify, overhaul and re-start existing line for new PET bottles as per **P2** and **P3** | |
| * **CANADA DRY Yemen** | | * complete new re-design, install and re-start second-hand 60 000 bph PET/NRB line as per **P2**, **P3** and **PD** * supply of new conveyors and control panel as per **PD** * supply of new CIP and conveyor lubrication system complete as per **PD** | |
| * **New PET line Ahwaz** | | * supply, install and start-up of complete new PET line as per **P3** | |
| * **COCA-COLA DUBAI** | | * supply and start-up of second-hand bulk de-palletizing system complete for new 60 000 cph can line as per **P3** | |
| * **NBC OMAN** | | * relocate and start-up of second-hand labeler as per **P2** * supply and install new conveyor system insertion as per **P3** | |
| * **“SIWA WATER” EGYPT** | | * supply and start-up second-hand packaging area for existing PET line as per **P3** | |
| * **COCA-COLA Jordan** | | * re-start of existing 48 000 RB bph line as per **P2** * relocate, install and start-up second-hand crater/de-crater system for existing 48 000 bph RB line as per **P3** * re-start of existing 48 000 bph RB line with supply of second-hand wet area equipment as per **P2** and **P3** * supply of second-hand NRB packaging area insertion for existing 48 000 bph as per **P2** * modification and re-start of existing 38 000 cph can line dry area as per **P3** – complete new MULTIPACK packaging pattern software * supply and start-up of new tray conveyor system insertion complete for existing 38 000 cph can line as per **P3** – add complete new MULTIPACK packaging pattern | |
| * **COCA-COLA Beverages Lahore** | | * relocate and re-start of 24 000 bph twin blowers PET line complete as per **P2** and **P3** * supply and install new filler HEPA filter clean room enclosure as per **PD** * supply of new air-conveyor insertion a per **PD** * supply of new tray conveyor insertion as per **PD** | |
| * **CARLSBERG Bulgaria** | | * supply and re-start of second-hand bulk de-palletizer for existing 60 000 bph RB line as per **P3** and **PD** * supply and start-up of new NRB conveyor system insertion complete for existing 60 000 bph line as per **PD** | |
| * **COCA-COLA Palestine (NBC Ramallah)** | | * relocate and re-start of complete 36 000 bph RB line as per **P2** and **P3** * relocate and re-start of complete CO2 production plant as per **P2** and **P3** | |
| We would gladly provide any additional information and services upon request as well as visualizations and project layout examples executed sofar by our **HRANMASH** world-wide. | | | |