#### Fleet Management ANNUAL / SEASONAL PRODUCTION VOLUMES WORKING CONDITIONS: · quarry layout Fleet performance enhancement · roadway design & maintenance drainage · noise & dust control • etc... · PROCESS PLANS FOR: · inpit operations · crushing & screening · aggregate storage & transport 1. Operation Process Plan PROCESS SIMULATIONS · CYCLE TIMES / NO. OF UNITS • CAPACITIES & UTILISATION PRODUCTION COSTS 2. Fleet Selection Plan • MAINTENANCE STRATEGIES SCHEDULING & MANPOWER CONTRACTS OUTSOURCE EQUIPMENT REBUILD EQUIPMENT 3. Fleet Management Plan REPLACE EQUIPMENT LOGISTICS INVENTORIES 4. Support Systems Plan PARTS AVAILABILITY SHIPPING ROUTES PURCHASING PROCESS 5. Competence Development Plan PERSONELL TRAINING • TEAM DEVELOPMENT PROCESS WAY OF WORKING TECHNOLOGY DEVELOPMENT END-PRODUCT DEVELOPMENT







### Levels of fleet maintenance response Maintenance when failures occur **Production Costs** Too! Man Maintenance an investment in uptime Maintenance is time-based Maintenance is condition-based Root cause failure analysis

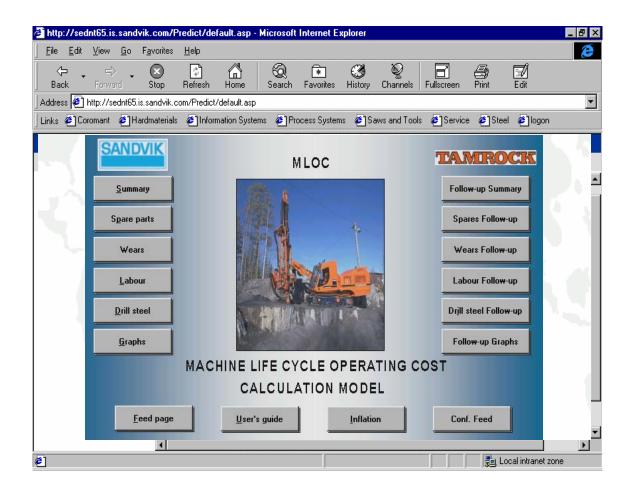
Reactive Planned Preventive Predictive Avoidance







#### Machine Lifecycle Operating Costs, MLOC



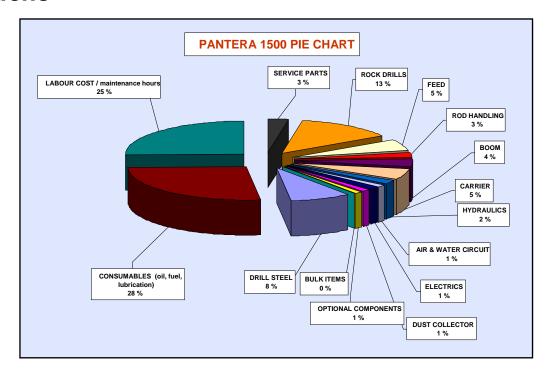






### Machine Lifecycle Operating Costs, MLOC

MLOC provides a tool which will guide a person without intimate knowledge of conditions and maintenance procedures to generate realistic estimates of operational costs for equipment in specific conditions









#### **Performance Contracts**

