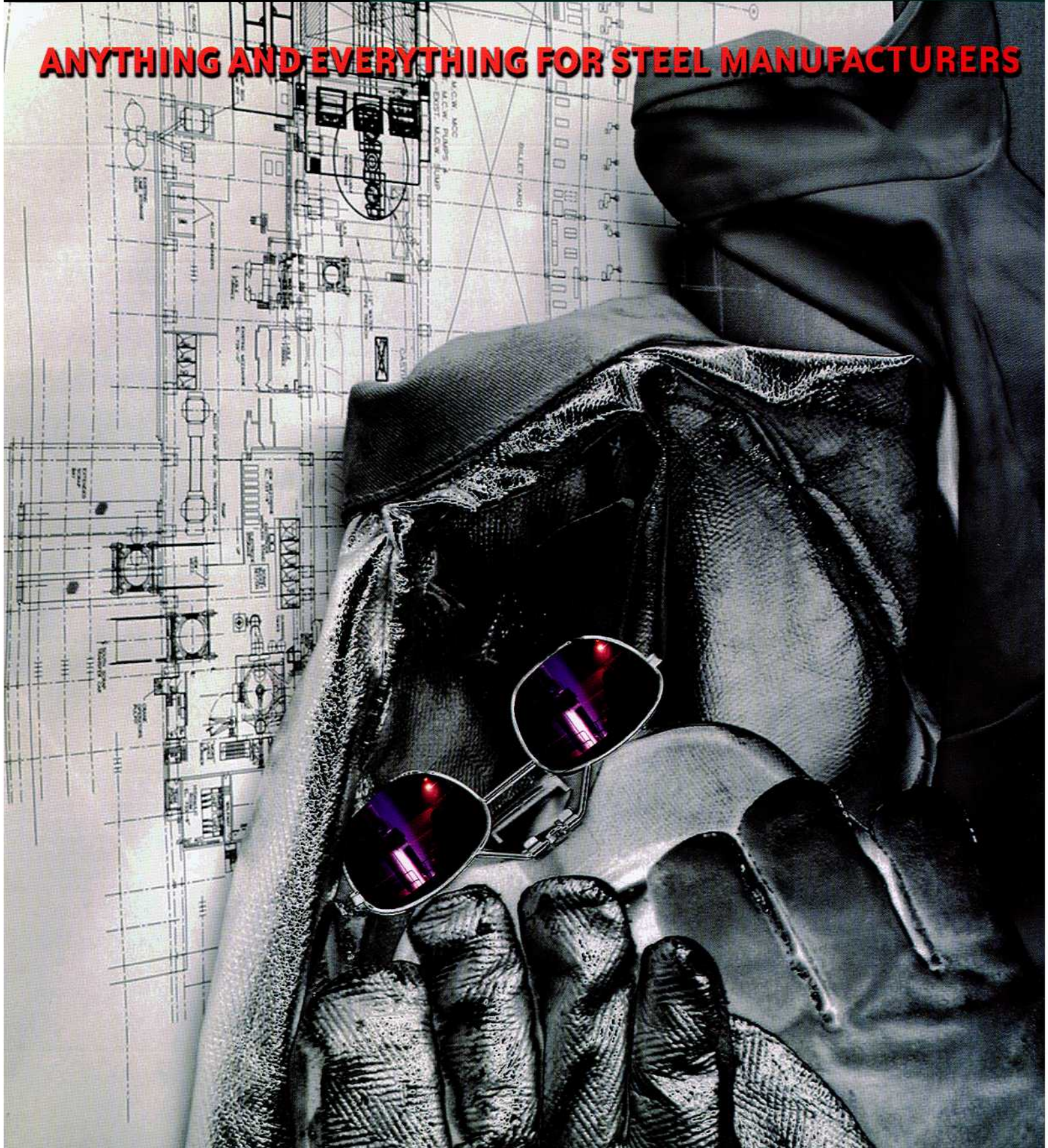



ANYTHING AND EVERYTHING FOR STEEL MANUFACTURERS





... EXCEPT THE ORDINARY


STEELMAKING

EQUIPMENT SELECTION

 For the steelmaker, **QUAD** can provide process designs that integrate the most suitable complement of machinery to suit the best interest of its clients. These include basic steel making equipment such as electric arc furnaces and billet, bloom and slab casting units.

 Total engineering services are offered for the entire steelmaking process - from the scrap yard to the billet yard.

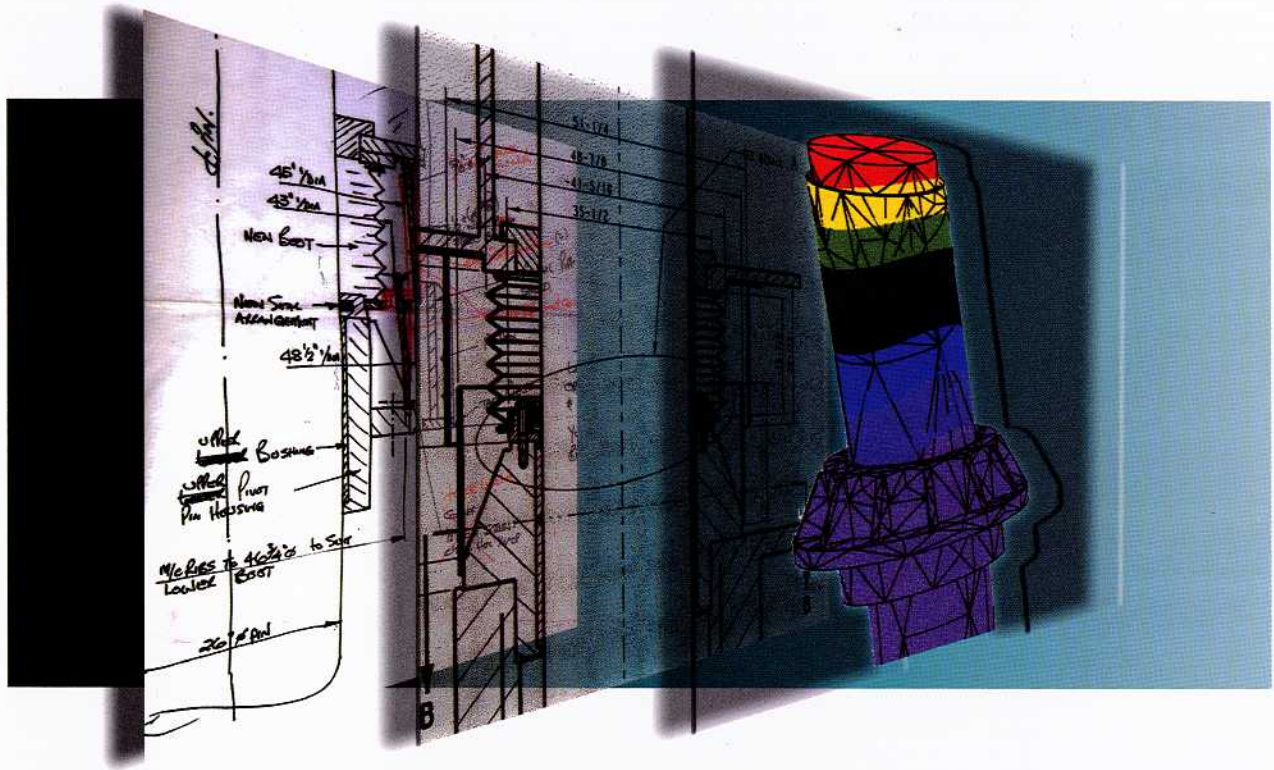
 Equipment selection considerations also include all other secondary process equipment that handle raw materials such as scrap, storage and transportation of fluids and solids in granular or powder form.

 Whether for a green or brownfield site, large or small project, every discipline is covered including civil, mechanical, electrical, utilities, process control, automation and programming.



SPECIALIZED EQUIPMENT DESIGN

QUAD can offer engineering design for specialized equipment such as transfer cars, ladle metallurgy stations, pulpits, control arms and amenities for operational and maintenance personnel. Finite analysis and engineering methods can be used to redesign existing machine components for improved performance and maintainability.



Improvement idea... produce details... analyse components prior to manufacturing

PROCESS IMPROVEMENTS

LET QUAD REVEAL AND REMOVE YOUR BOTTLENECKS

Process evaluations are offered by **QUAD** for the entire steelmaking area, or for isolated areas such as scrap handling or product tracking. Process simulation can be designed by **QUAD** to help improve operational efficiency at all steps of steelmaking.



STEELMAKING FACILITIES BY QUAD

QUAD WILL PROVIDE FOR YOUR STEELMAKING NEEDS:

- ✚ Expert integration of equipment and plant layout
- ✚ Specialized equipment design
- ✚ Process evaluation and improvements
- ✚ Infrastructure and essential service systems design
- ✚ Environmental systems
- ✚ Training



"We give you the whole nine yards..."

SCRAP YARD TO BILLET YARD..."

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