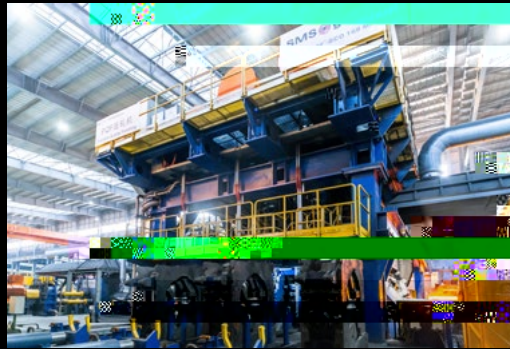


Evolution of PQF® design development

7-inch BCC
Steel Tube
I t t
Ch



Fourth gen
B k th
t m
t th
m r th
13.3
N , SMS



A... ,r k-t r - rtr tr , h h t tr rr th m r r r r t th
 rt th m r r t th h m r t r .Th r th r t tm
 th PQF t m h h h r m r t th r .
 r t r th mrk t t .Th r A ,th t r th
 th r t tm r m t .D t th tm r . m r t th thr -r
 rr m t th r t r , h th r t m r m rr t r t r .

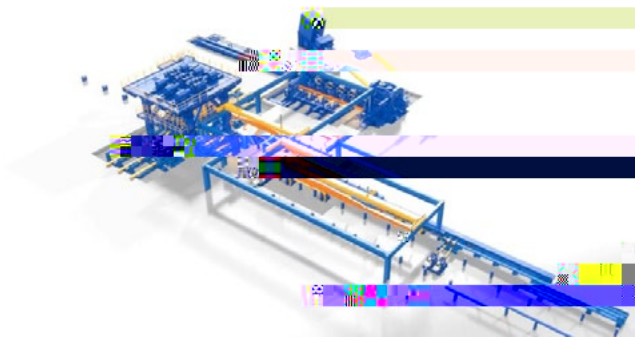


Fig.3 - P t th -t r m ,PQF , t t rr m r h .

Th t t r th t t th tr rr t th .
 PQF r r :Th h Th h h- t m h r th m r
 m m r m th r m k PQF m th r t 7 h .
 m t r r m th t t r
 r t t th r r t th PQF .Th Th t t- t t th r m t
 r - rtr rt th m r r, h h r th PQF tr r r t t m
 r t , th h . r t t m t r t .
 Th h th - t r t r r t , t - SMS rt h m r th r t
 t, th - h - r r m th r - m t r t t t 30% th th rth
 r t t th r t r t . r t PQF t .
 A r m t , th m r r

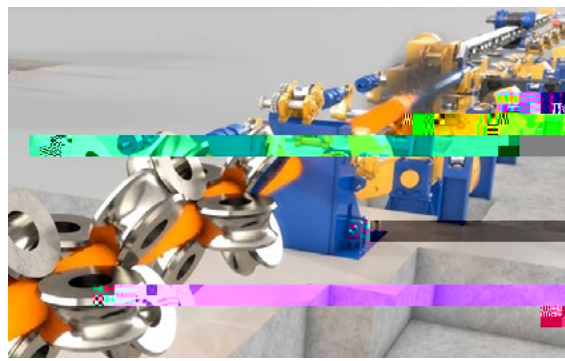
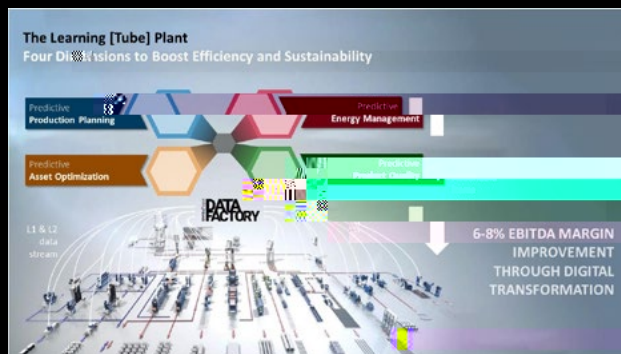


Fig.4 - PQF r r th t t rr m r h .

Th t th t ; t **Digitalization and “The Learning Tube Plant”**
 PQF t r t -r m r m Th r r r t t t th mrk t, tth
 t r m th th - tm t r .

- 1. Pr
- 2. Pr
- 3. Pr
- 4. Pr



AI-fueled

Art

th h

th th r

Th r

DATA FAC



Fig.7 - S... thPQF r... t... r h... - r... r t... .

C... t... m... t... t... m... t... th r... th th... t... r... h... t... r... r... t... t... h... h-
r... PQF... t... .

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