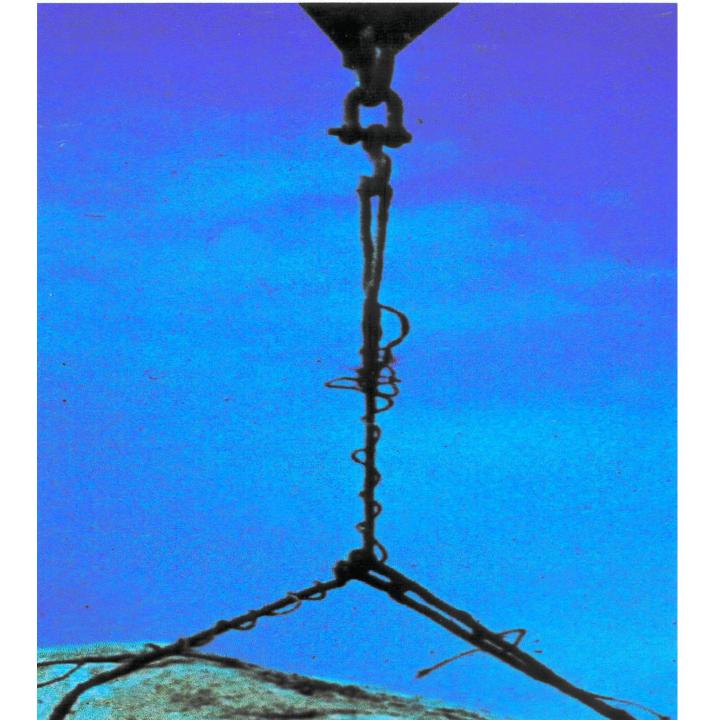
HUMAN ERROR Gabor Oplatka Zurich/Switzerland

10. OITAF Congress RIO DE JANEIRO 2011

<u>HUMAN ERROR</u> - ERROR IN THINKING

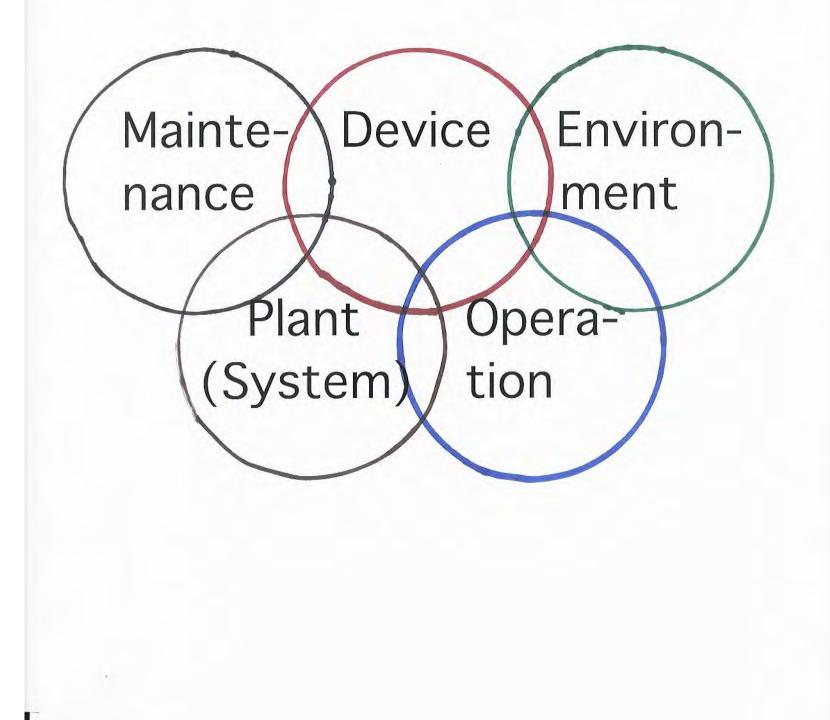
<u>NEGLIGENCE</u> - SLOPPY JOB - CARELESSNESS













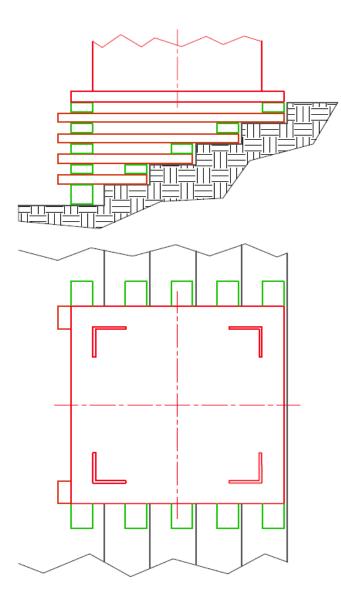




"... and we can save 700 lira by not taking soil tests."





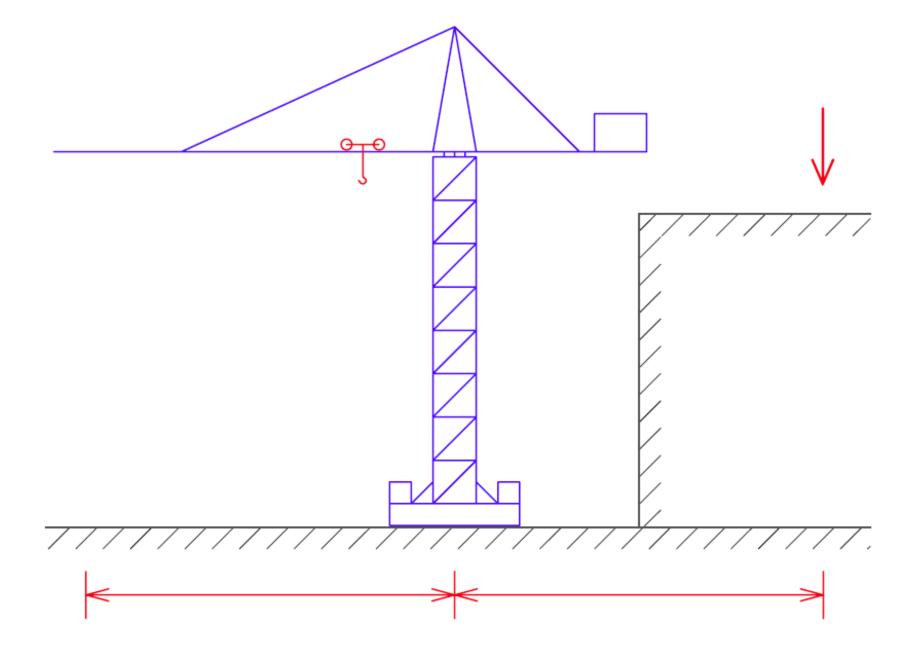


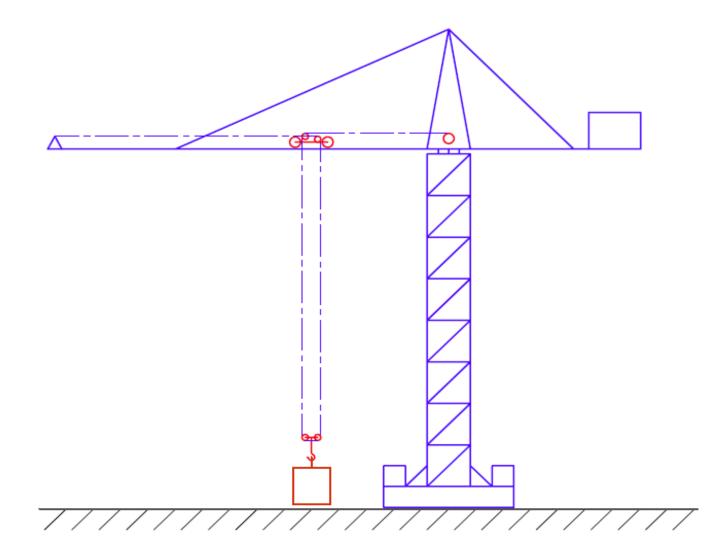
TO FORGET, OVERLOOK ONE OF THE FACTORS

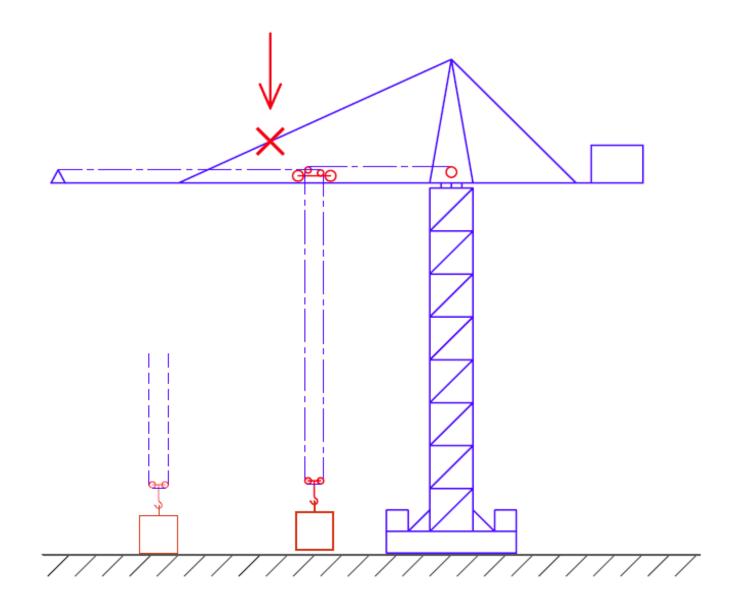
HUMAN ERROR TO FORGET, OVERLOOK ONE OF THE FACTORS

Fx = 0Fy=0Fz = 0

Mx = 0My = 0Mz = 0

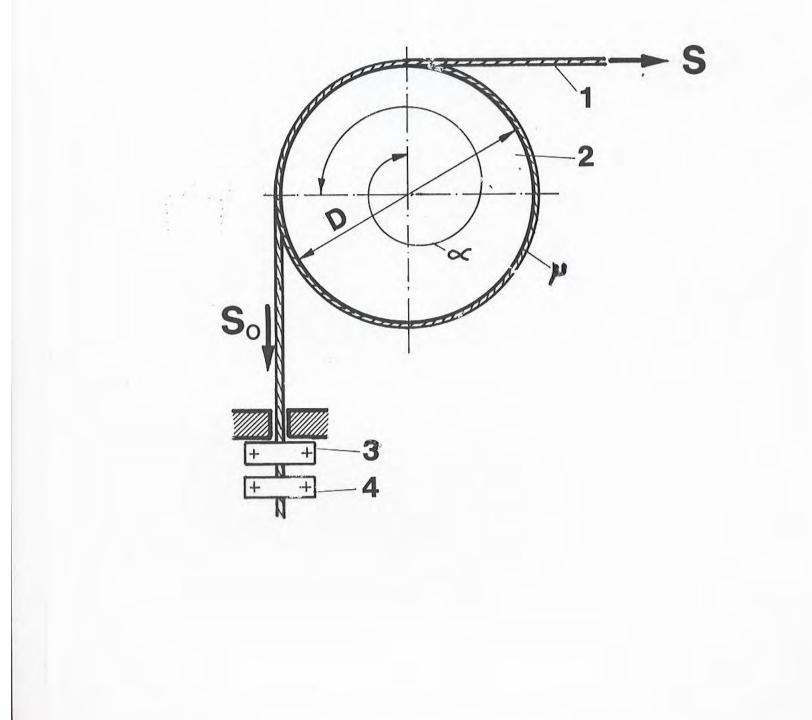


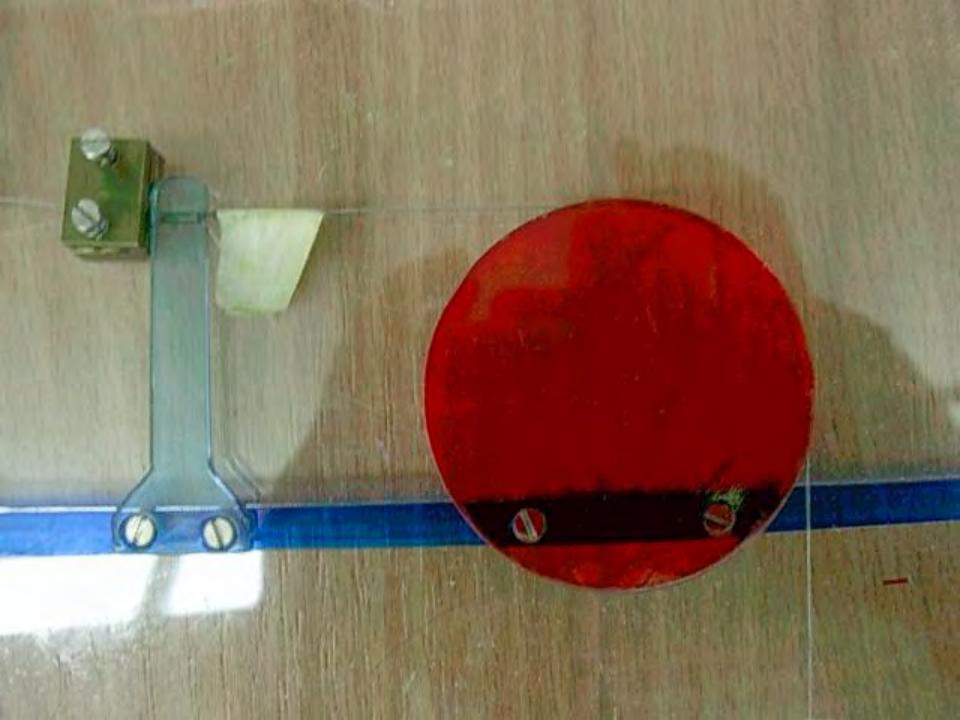




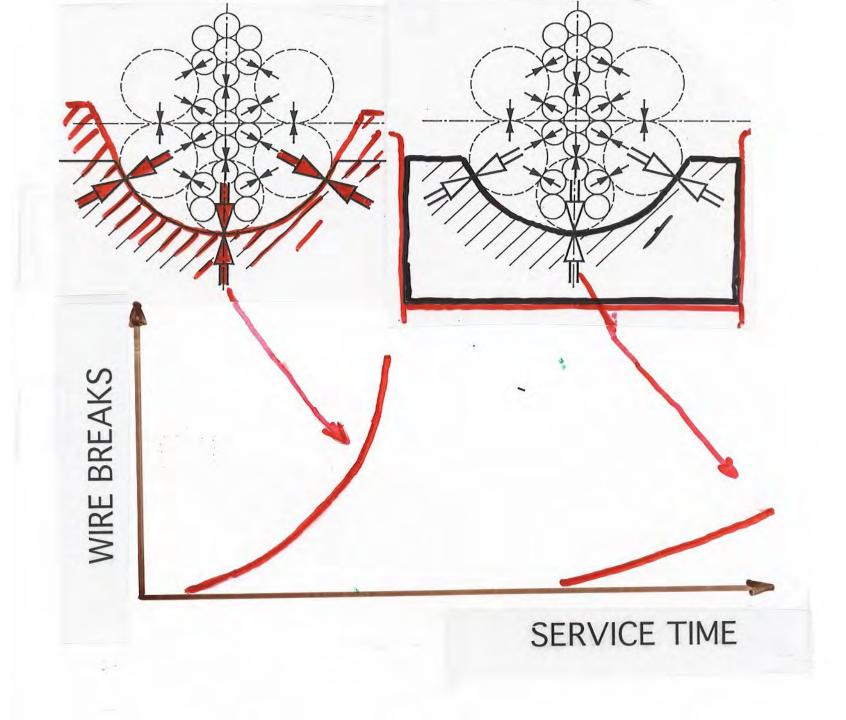
USING WRONG CRITERIA

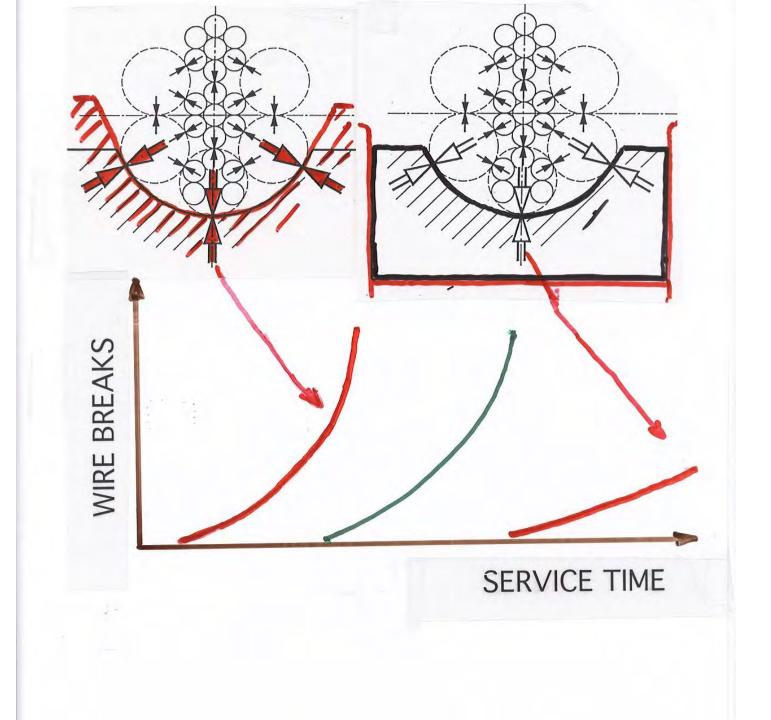
TAKE YOUR KEY DOOR IS ALWAYS LOCKED DO NOT PRESS BUTTON WHEN LEAVING ROOM FOR COMPLETE PRIVACY WHEN IN ROOM-PRESS BUTTON





THE WAY THE EQUIPMENT FUNCTIONS HAS NOT BEEN THOUGHT OUT PROPERLY

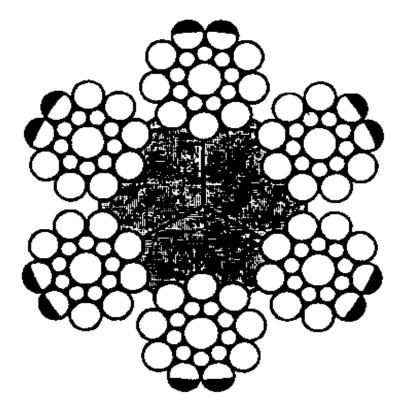






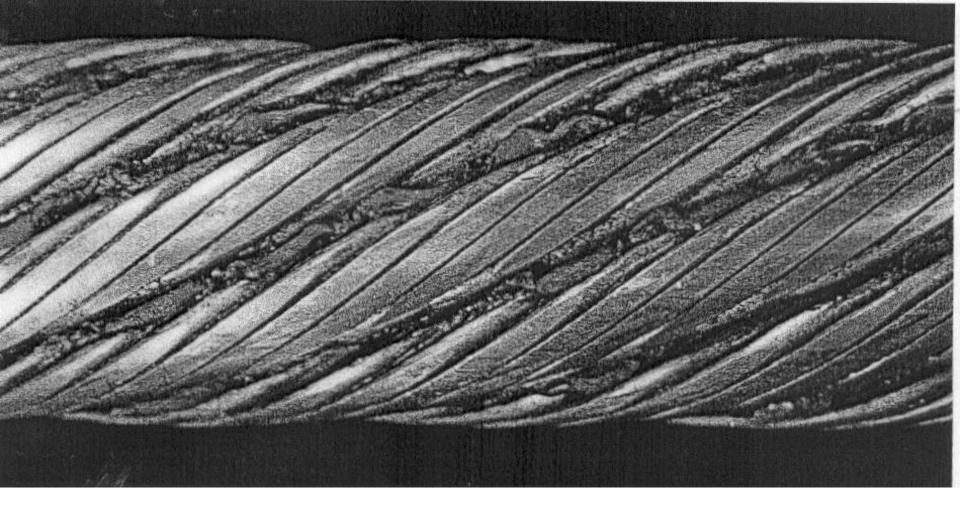


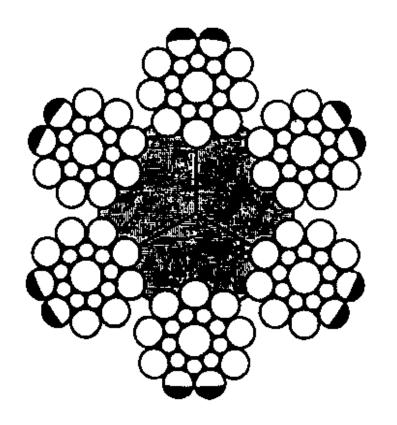
"IMPROVE" ONE DETAIL WITHOUT THINKING OF ALL ITS CONSEQUENCES

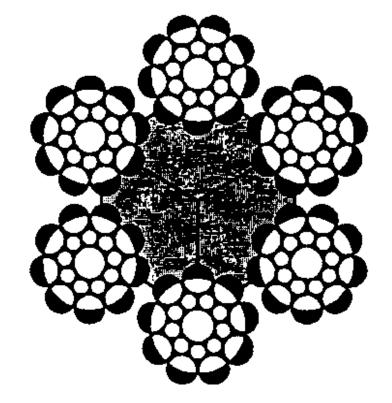


$6 \times 2 \times 1/2 = 6$

R.Verreet



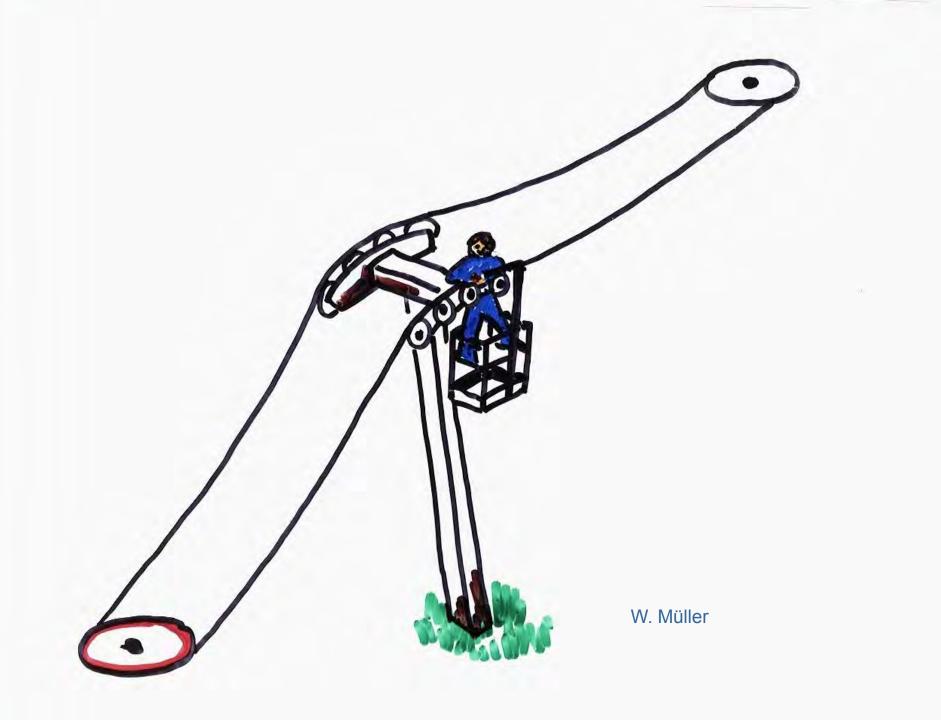


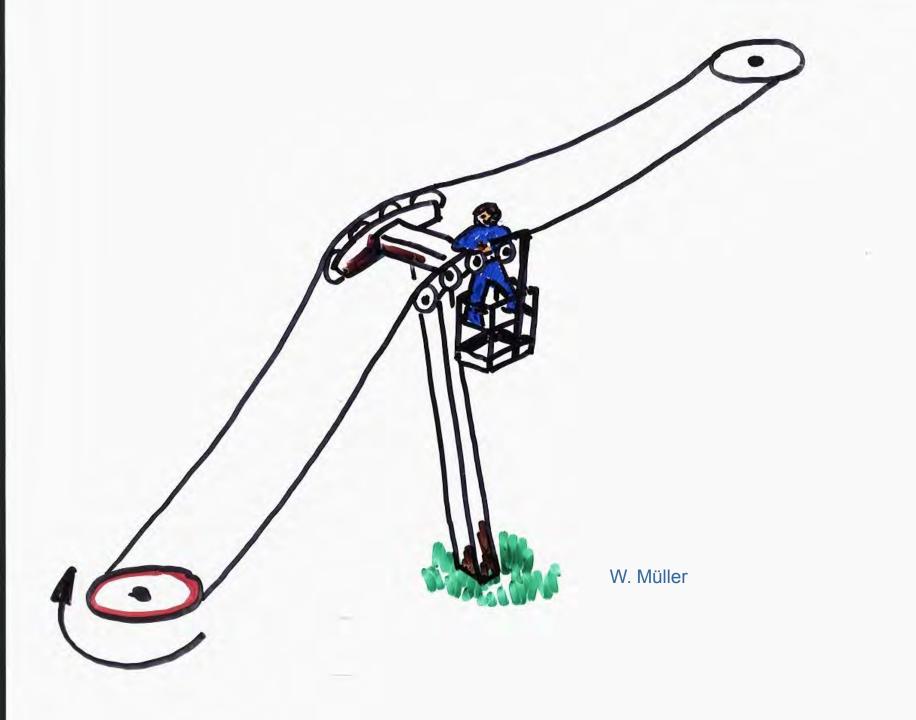


6 x 2 x 1/2 = 6 6 x 9 x 1/2 = 27 4.5 x !!

R.Verreet

CONSIDER 3-DIMENSIONAL PROBLEM IN ONLY 2-DIMENSIONS





INSUFFICIENT WRITTEN OR VERBAL COMMUNICATION

On a drawing: These holes must be drilled on the first working day of the week! Original in German: Zu bohren bei der Montage! That means: To be drilled during assembly! If you follow this instructions, your parts will wear out sufficiently fast.

Please contact our parts department for replacements.

Trying to communicate:

Intended not yet spoken not yet heard Spoken Heard not yet understood Understood not yet agreed not yet acted on Agreed Acted on not yet internalized for future use

HUMAN ERROR WE DO NOT PAY ATTENTION TO THE PRELIMINARY SYMPTOMS

WE DO NOT REALIZE THE MECHANISM OF CHANGE

PRELIMINARY SYMPTOMS Sound level Temperature Performance **Power consumption** Wear Oil Drops Slackening Vibration and others....

