Training session Pulsation & Vibration Control

June 26th - 27th 2019 Delft, The Netherlands

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Wijnand Schoemakers





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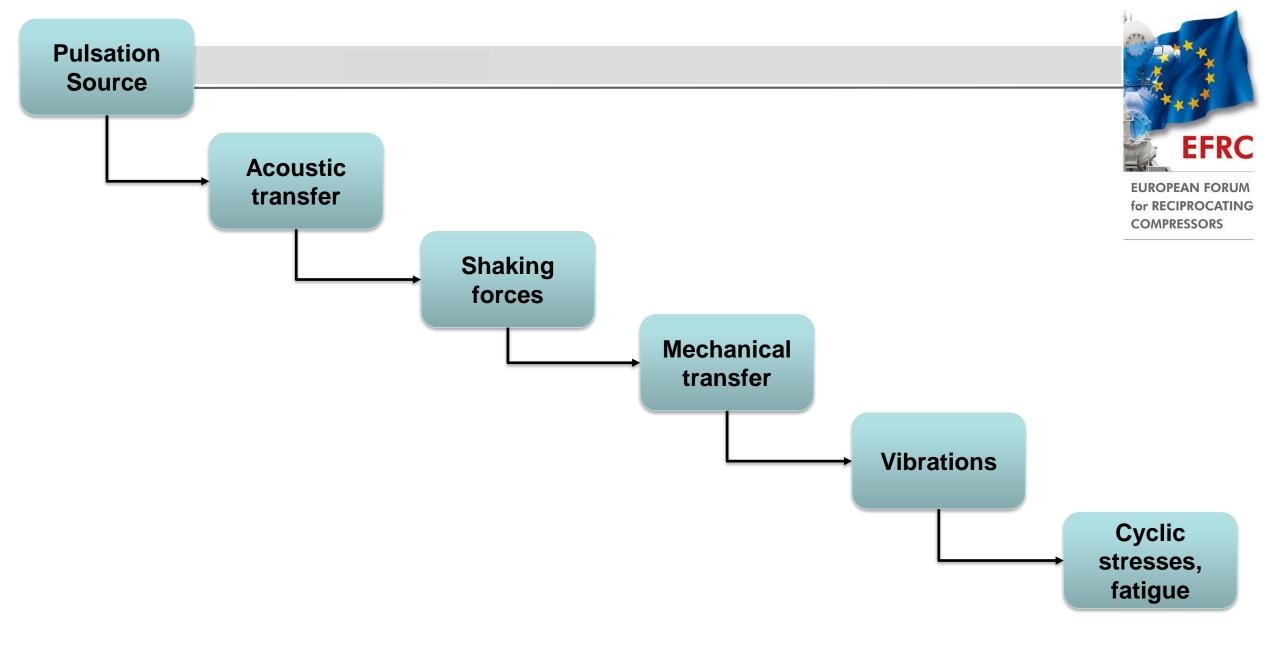
for RECIPROCATING COMPRESSORS

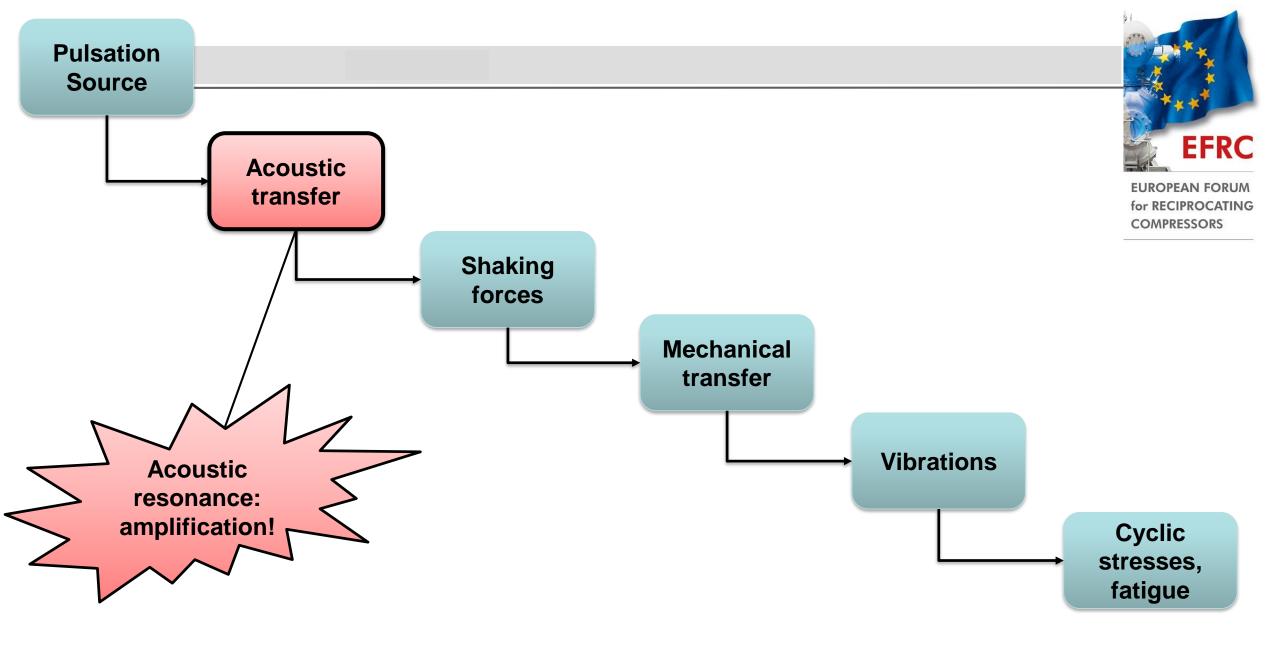
Motivation: The Main Line

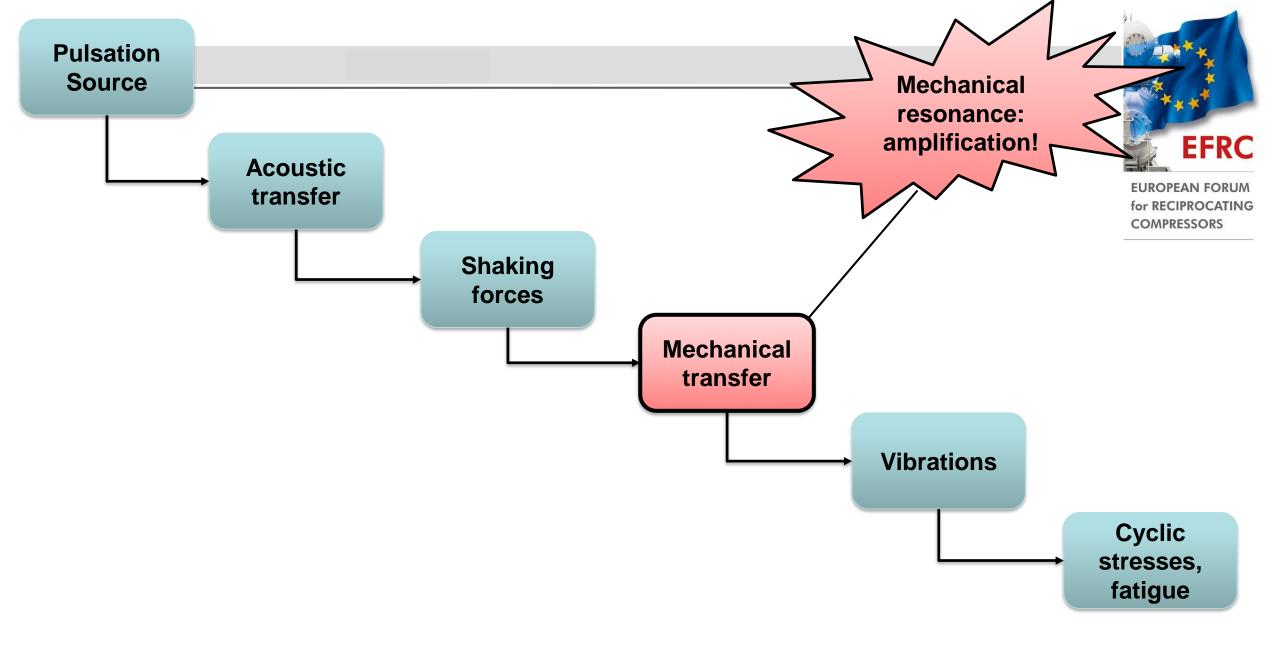
- Ensure integrity of the installation
- Important to understand the most common cascade of mechanisms responsible for integrity issues

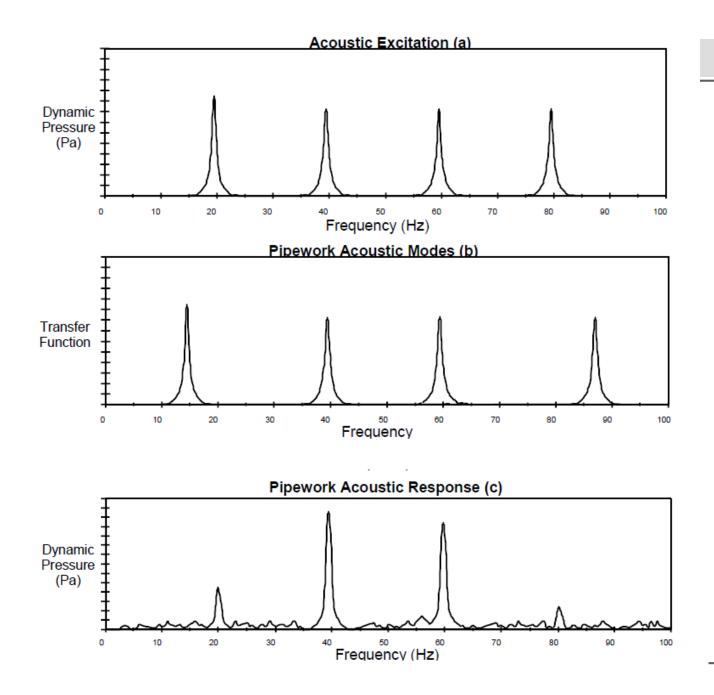


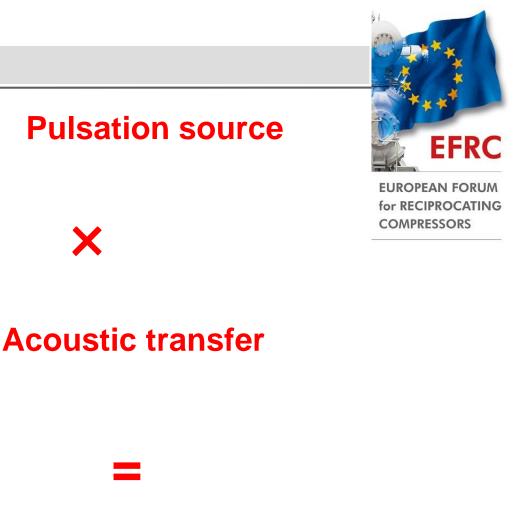
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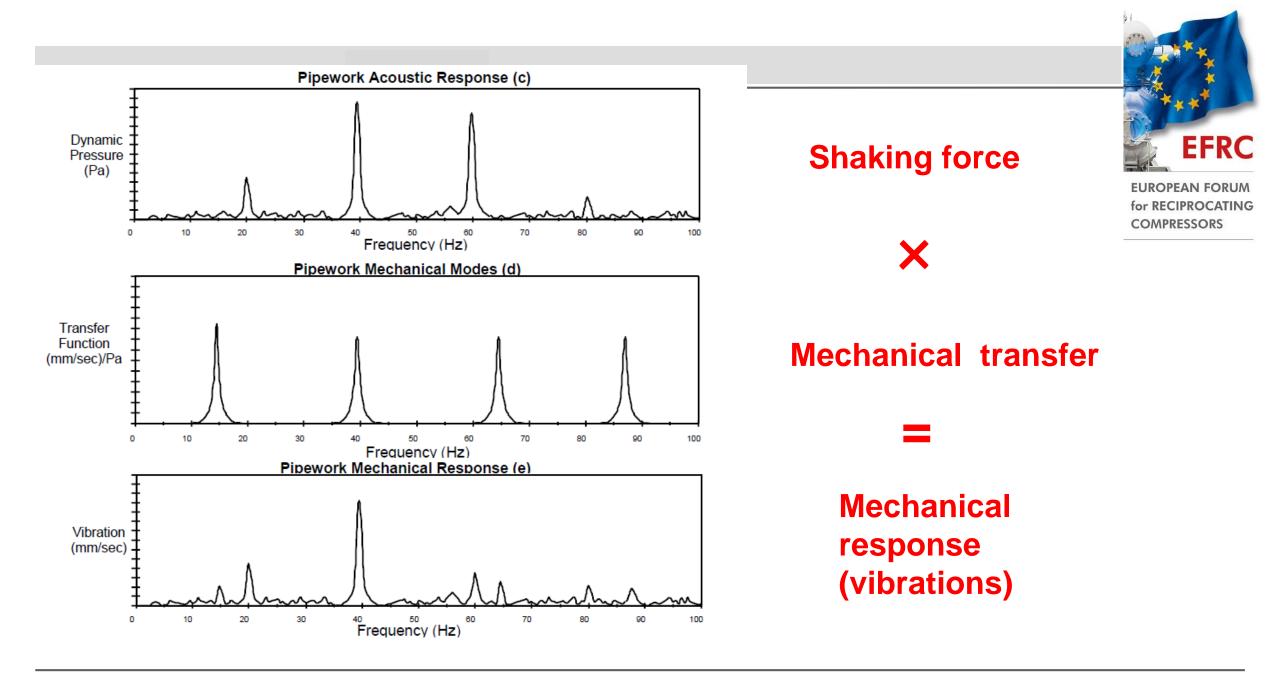


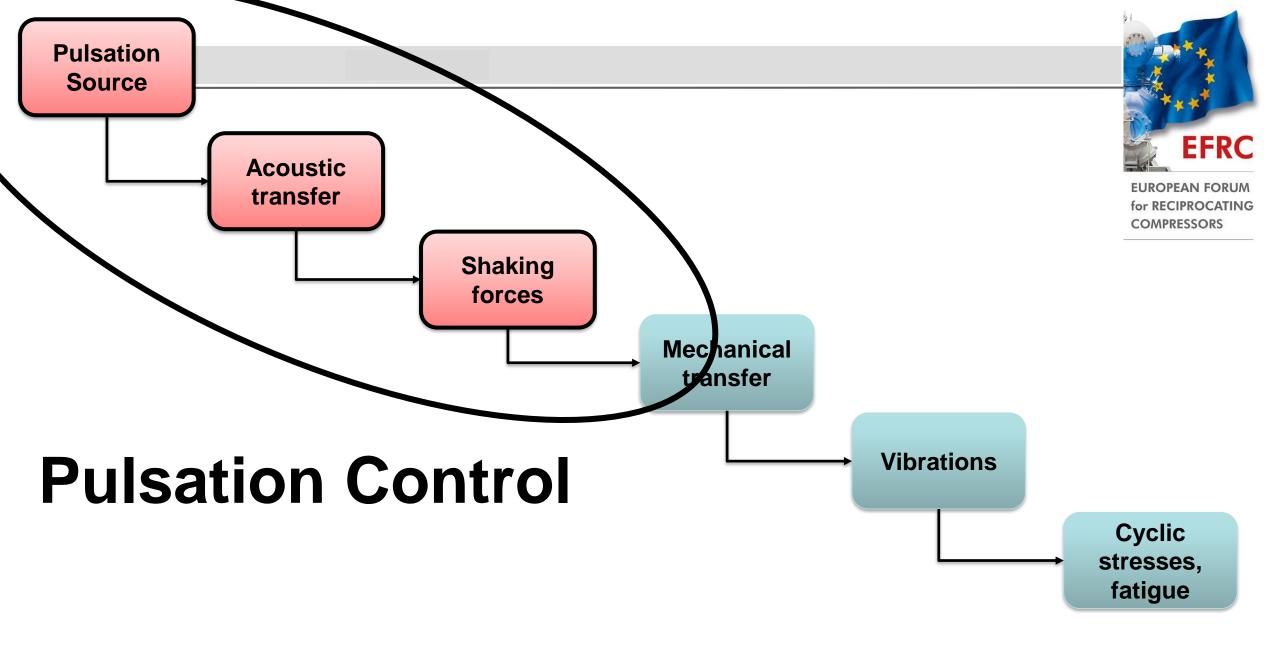


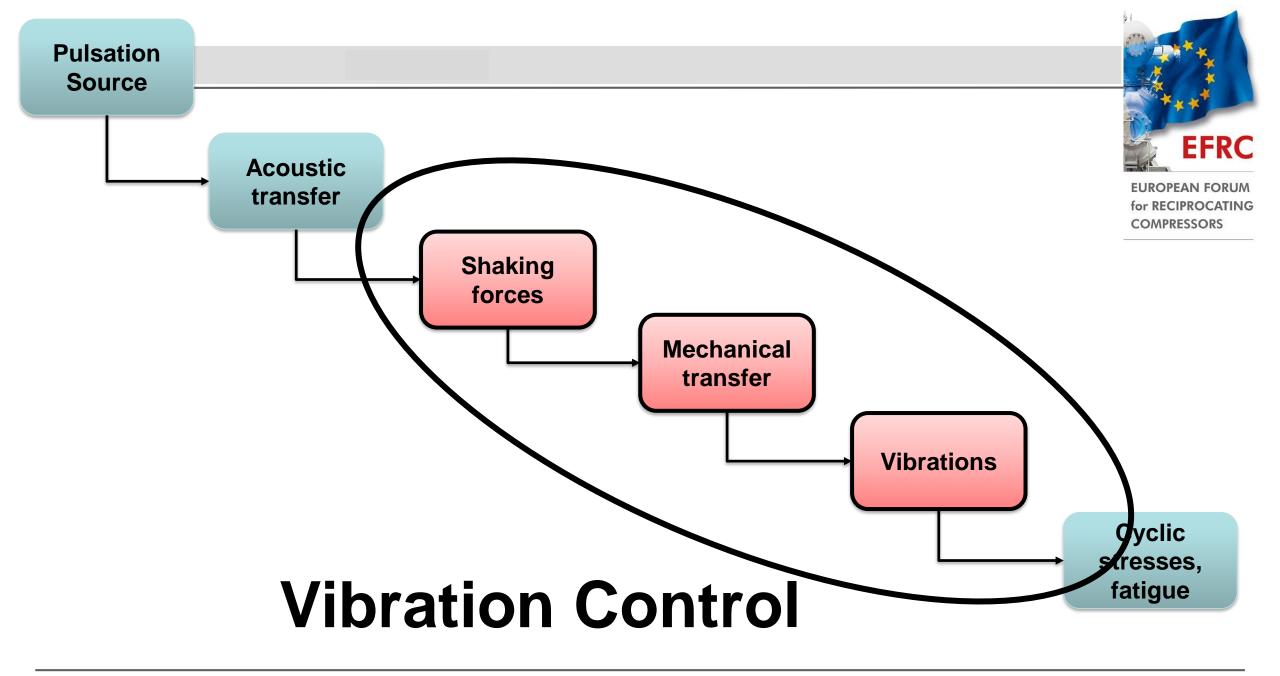


Acoustic response (shaking force)

Source: Energy Institute Guidelines "Avoidance of vibration-induced fatigue failure" (AVIFF)







Agenda

- Field case 1 (pulsation issue, description)
- Pulsation analysis and control
- Field case 1 (pulsation issue, RCA & solution)
- Break
- Field case 2 (vibration issue, description)
- Vibration analysis and control
- Field case 2 (vibration issue, RCA & solution)

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