

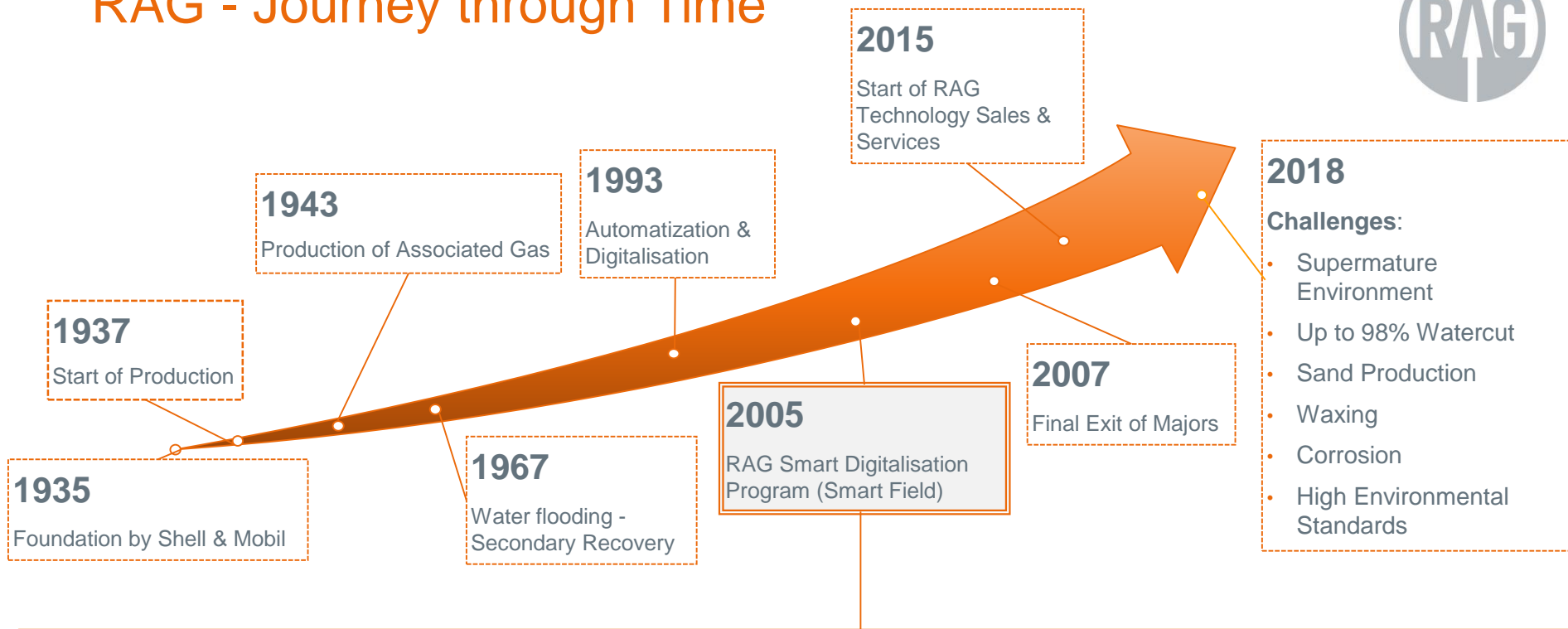


RAG Austria – Oil & Gas Operator since 1935

Unlocking resources in mature oil & gas fields by using smart digitalisation (Smart Field)

IEF, New Delhi, 11/04/2018

RAG - Journey through Time



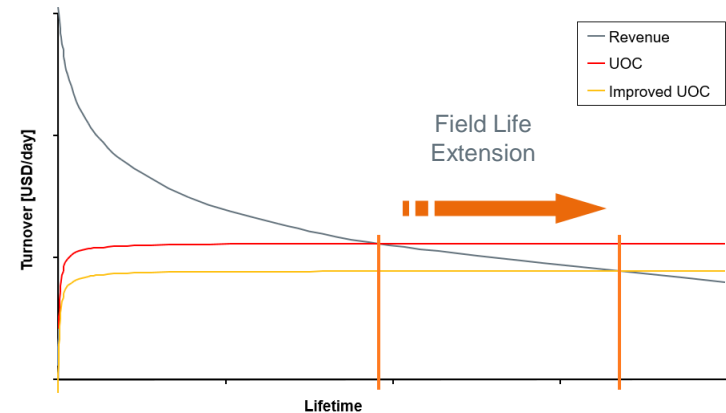
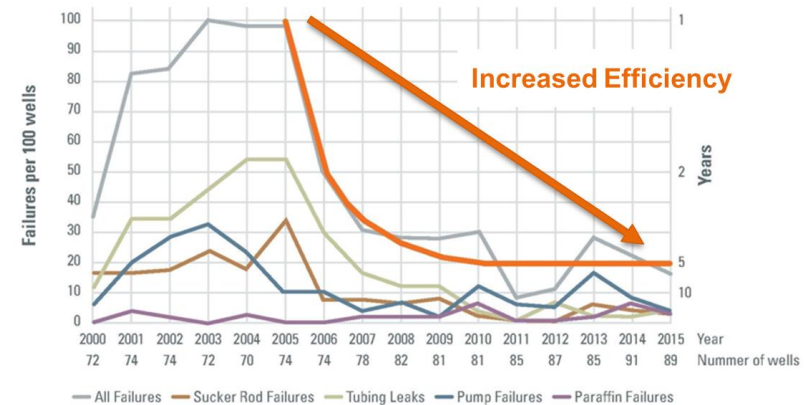
Basis of RAG Smart Digitalisation Program (Smart Field):

- **Wells** are the smallest unit in oil & gas production - focus point for all relevant disciplines
- **Reduction of Data Complexity** - less but reliable data
- **Increase of Communication** between relevant disciplines by using one Software platform
- **Easy Usability of Software Platform**
- **Implementation of analogue Operation**

Benefits of Smart Digitalisation Program within RAG



- **Cost Savings** (Example Austria):
 - Reduction of Unit Operation Costs of 25-40%
 - Average Run Time of Artificial Lift System is 7 years
 - 80.000 \$/Well & Year
- **Production Increase** due to extended field life time by reduced operating costs
- **Increased Efficiency** resulting in less work over jobs and reduced equipment failure
 - **2005** => **190** failures per 100 active wells
 - **2015** => **20** failures per 100 active wells
 - **2017** => **3** failures per 100 active wells
- Moving from **Major Interventions** to **Minor Interventions**
- **Lifting Potential** by using free capacities of employees for other tasks





**Thank you for your
Attention!**