



HYDROCARBON PROCESSING®

**IRPC**

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# Affordable Superior Hydrocracking Catalysts Through Strategic Zeolite Modifications



**Kurt Du Mong**  
*Chief Executive Officer*



# Superior hydrocracking catalysts through strategic zeolite modifications



**Kurt Du Mong, CEO Zeopore**



# **ZEOPORE**



**Scale-up, Univ. Leuven (BE) spin-out, °2017**

**Modified zeolites with improved catalytic performance for refining, petrochemicals, and circular applications**

**Wet chemical after-treatment on standard zeolites, proprietary process technology**



**Supply high performance zeolites in global catalyst market, currently commissioning 150 ton/a semi-industrial unit**

[Zeopore is making its mark in emerging green applications through catalyst optimization leadersHIP](#)

# MESOPORIZATION



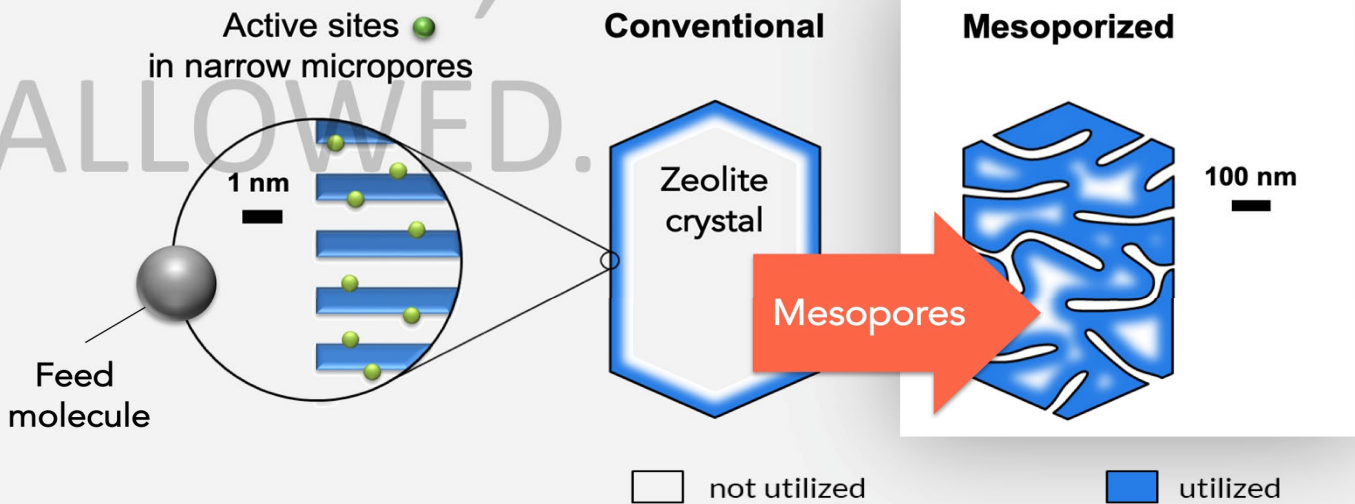
IRPC 2024 READ ONLY;

Controlled zeolite pore modification

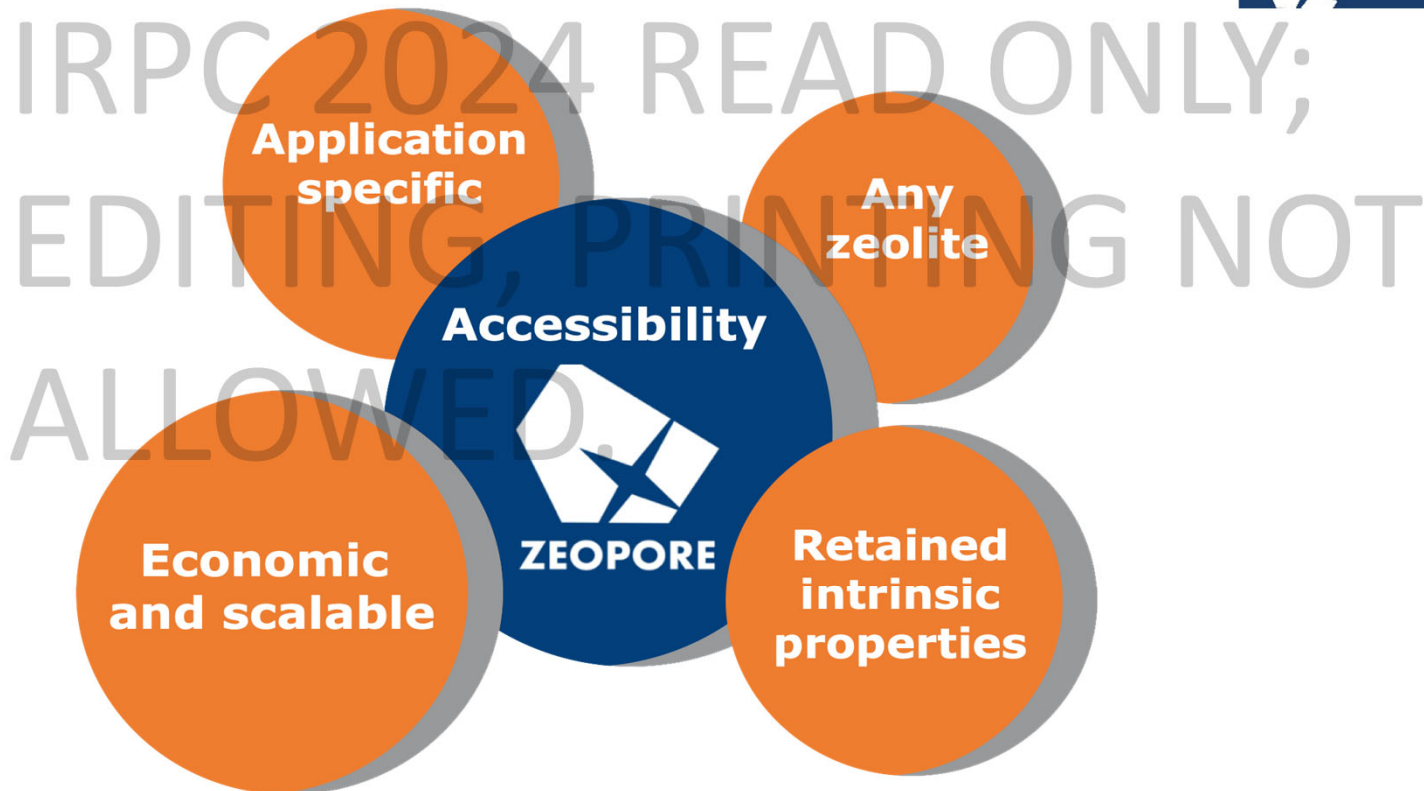


Enhances catalytic processes

EDITING, PRINTING NOT ALLOWED.

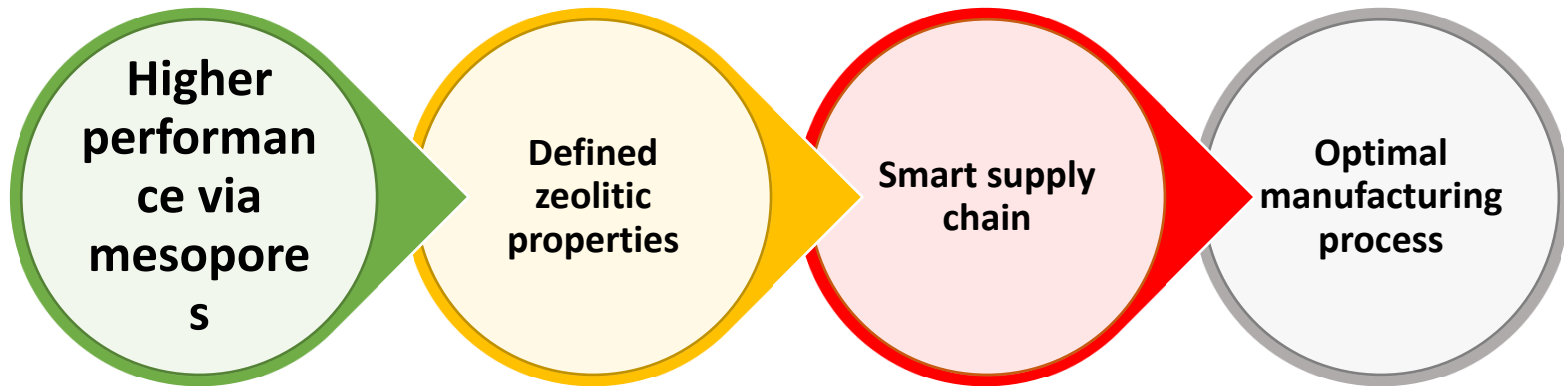


# USP



[Catalyst innovations drive more performant and sustainable refining and petrochemical industries \(zeopore.com\)](https://zeopore.com)

# **CHALLENGE :** **SUPERIOR HYDROCRACKING ZEOLITES**

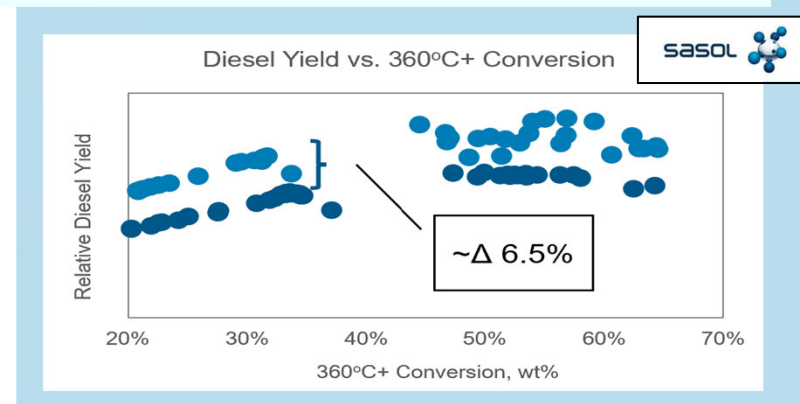
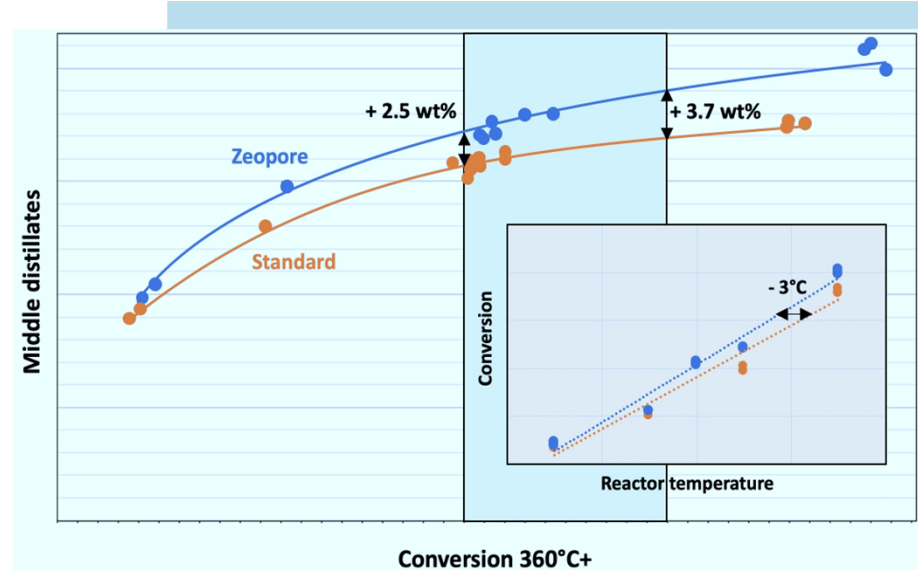


# CATALYTIC PERFORMANCE

- 3 - 7wt% more middle distillates
- @ gain in activity
- Wide zeolite range
- Sweet and sour conditions
  
- **Defined and protected unique zeolitic property descriptors**

“ Zeopore can modify any standard or intermediate USY zeolite

[Zeopore prepares for global production of economical, premium-performance hydrocracking meso-zeolites](#)

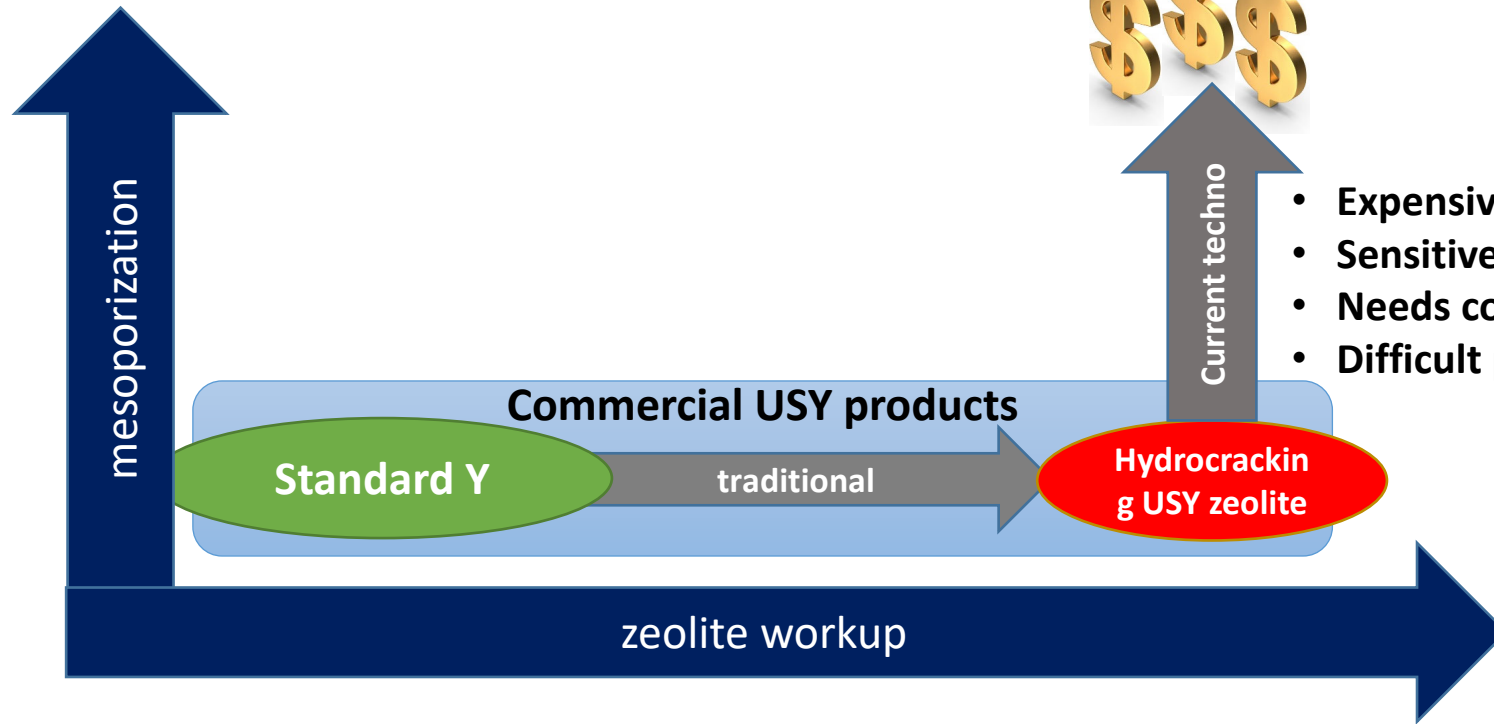




# SMART SUPPLY CHAIN

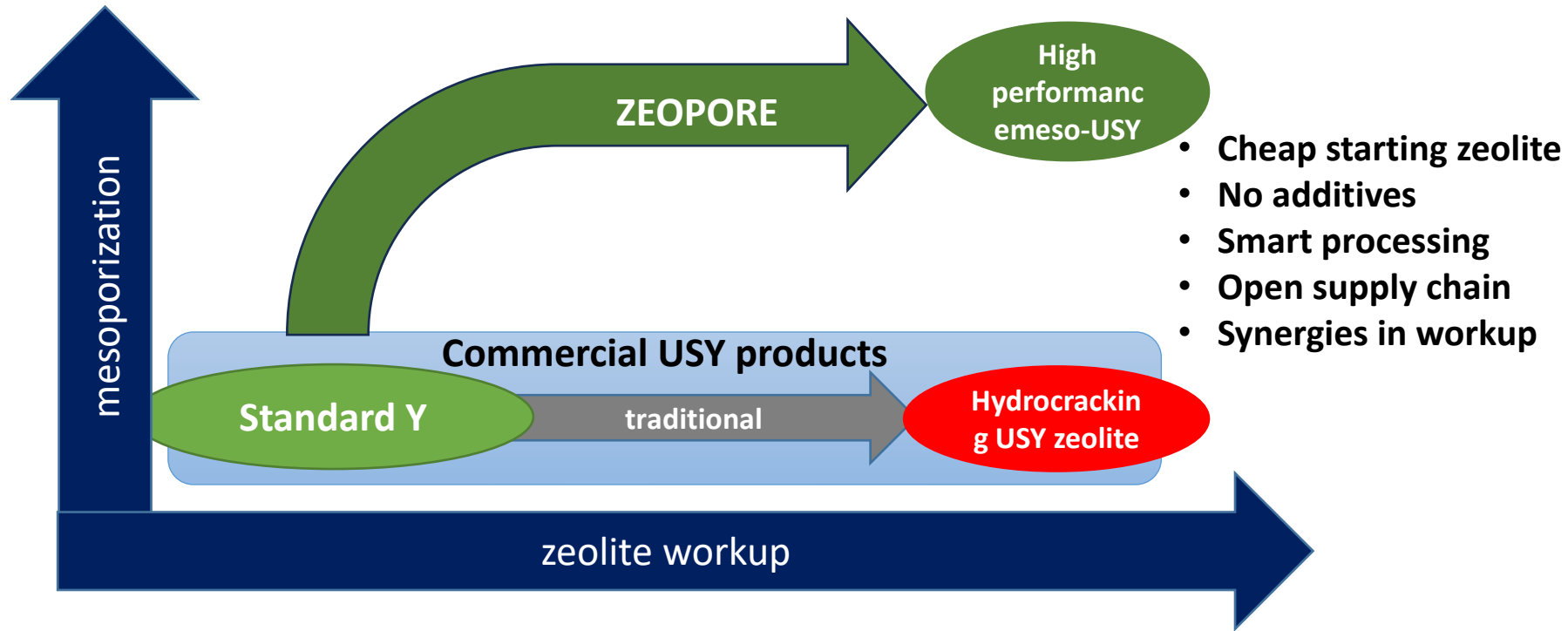


# SMART SUPPLY CHAIN



- Expensive starting zeolite
- Sensitive zeolite
- Needs costly additives
- Difficult processing

# SMART SUPPLY CHAIN



# SEMI-INDUSTRIAL PRODUCTION

- **Process intensification**
- **First industrial sales**
- **Fingerprint for industrial plant**
  
- **Standard hardware**
- **Unique process technology**



[Setting up in-house industrial scale unit for mesoporizing zeolites \(zeopore.com\)](https://zeopore.com)



## TAKE-AWAYS

- **Sizeable catalytic value**
- **Defined zeolitic performance properties**
- **Unique process technology**
- **Smart supply chain**
- **200 mln USD market potential**
  
- **Gathering partners to commercialize fast and global**





## Access Matters

[www.zeopore.com](http://www.zeopore.com)