



Predictive Pricing Guidance in Tendering Using Machine Learning

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THE EUROPEAN UNION **TENDER MARKET**

IN NUMBERS





More than **250.000** Tenders published every year







tenders is

growing at







Source: Based on data (average values 2016-2018) from TED (Tender Electronic Daily), @European Union, http://ted.europa.eu, 1998-2022





...and it involves most countries but with varying levels of activity



Large diversity in Tender activity/country



Having more information for the market and predictive insights can definitely help but...





CHALLENGES IN APPLYING PREDICTIVE MODELS



Predicting in absence of big data or data altogether! Quality criteria that make each & every tender unique

Lack of Data & a lot of Diversity



Very difficult to identify patterns



WHAT WE NEED

Highly specialized predictive models for tendering

- They can work efficiently with less data
- They incorporate tender intelligence and can understand the criteria & evaluation rules used in tenders



Cube RM Tender Central: Proactive & End to End tender management using AI





360° view of your tenders planning and evaluation leveraging automated tender screening, competitive intelligence, sophisticated workflows & audit capabilities, and machine learning.

Enabling AI Technologies

Natural Language Processing (NLP)

- Smart search with keywords
- Similar & misspelled terms
- Check multiple languages
- Customer mapping
- Tender details

Machine Learning



- Pricing guidance
- Probability to win
- Predict performance
- Sales scenarios



Automated Data Gathering

Step 1: Gather & Consolidate information

Step 2: Screen & Analyze for relevance using NLP



Qualify New Tenders

CUBE 🧖	Discovery Tenders 🗸	Attachment Temp	olates Task Templa	All 👻 🔍 Search Salesforce ates Tender Workflow Actions 🗸 User Settings 🗸 Accounts	
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3 Active	+++++	RO 76	2019-09-19	Spitalul Clinic de Urgentă, Bagdasar-Arseni"	
4 Active	++++	FR 14	2019-09-19	GCS Achats du Contro	
5 Active	****	ES 1	2019-09-19	Dirección General. Osakidetza	
6 Active	****	ES 1	2019-09-18	Servicio Andaluz de Salud. Área Hospitalaria Virgen del Rocío	
7 Active	****	HR 11	2019-09-18	Klinika za infektivne bolesti Dr. Fran Mihaliević	
8 Active	****	PL 15	2019-09-18	Kliniczny Szpital Wojewódzki nr 1 im. Fryderyka Chopina w Rzeszowie	
9 Active	****	PL 35	2019-09-18	Samodzielny Publiczny Zakład Opieki Zdrowotnej w Bochni "Szpital Pov	
10 Active	****	DK 2	2019-09-18	Amgros I/S	
11 Active	****	DK 6	2019-09-18	Amgros I/S	
12 Active	****	RO 113	2019-09-18	- Spitalul Municipal de Urgențăș Roman	
13 Active	****	DE 1	2019-09-17	GWQ ServicePlus AG	
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Qualification score

Weighted score based on many criteria

Keywords	Focus on tenders with more relevant keywords identified		
Budget	Focus on tenders with high or low budget values		
Success rates	Focus on tenders with high probability of winning		
Profitability	Focus on the most profitable tenders		
Supply capacity	Avoid tenders which may result in supply shortages		
Strategic criteria	Focus on tenders with strategic importance i.e. high growth markets, key customers, etc.		

Automated self learning scoring for tenders using ML

The predictive model



Sales quotes &

tender guidance

Revenue estimates

Sales & Market

forecasts

Market trends Sales forecast Customer behavior

Optimization

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Predictive scenarios

Optimum price suggestions

Probability to win Competitors' pricing

Tender Predictive guidance using Machine Learning



Forecast Performance

- ✓ Estimate probability to win, scores, and revenues
- ✓ Company and competition



Tender Predictive guidance using Machine Learning



Pricing Guidance

- ✓ Get optimum price suggestions
- ✓ Maximize Revenue, Profit, or other KPIs



Identify Key competitors



Forecast Winners

 \checkmark Find the most likely winner



From simpler to more sophisticated AI models for pricing guidance

availability

Data



Key takeaways & benefits for the Manufacturing sector



Tendering is a big, emerging & challenging market Predictive insights can be handy, but most Al models won't work We can use specialized AI models for tendering, such as:

- ✓ Use NLP to automate data gathering from online tender sources and score/prioritize tenders
- ✓ Use AI predictive guidance to optimize pricing & forecast the tender outcome

Boost your tender performance by increasing:

- ✓ Tender visibility and market share
- ✓ Revenue and profitability

Sweepstake: Enter the Cube RM Sweepstake and win an amazing gift!



You may be the winner of one 1 Amazon Echo Show 5 (2nd Gen) Smart display (+Alexa)

3 Simple steps to enter:

- 1. Scan the QR code on your brochure
- 2. Complete your business/professional contact details
- 3. Take the Cube RM Tender Maturity Assessment and assess your tender readiness against the market

That's it! Your name & details will automatically enter the sweepstake*

Visit us at booth #5



Don't miss our next presentation at 13.00!

with Dr. Steve Laborda

ValueBizbooster Steve Labords



*The contest period will run until Wednesday June 15th, 2022, 11.30pm CET.





thank you!



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