

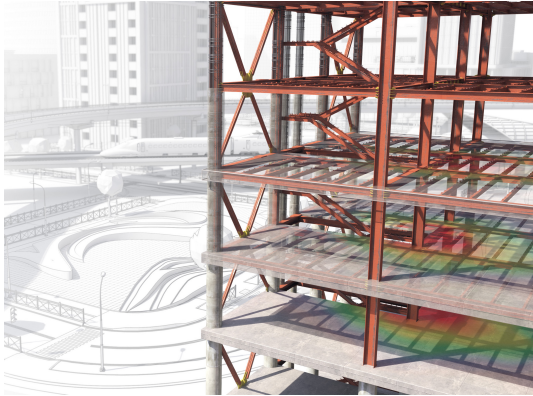
Neural Machine Translation – Localization and beyond

Emanuele Dias

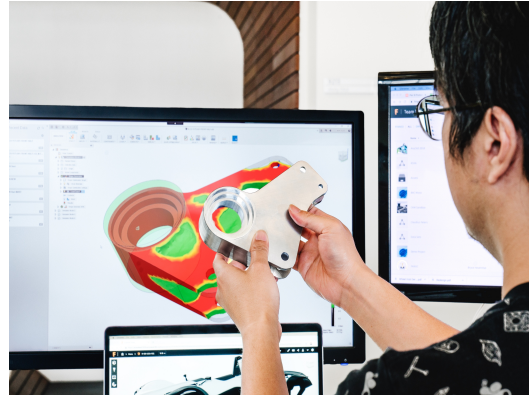
Principal Machine Learning Engineer



Autodesk – What do we do



Construction

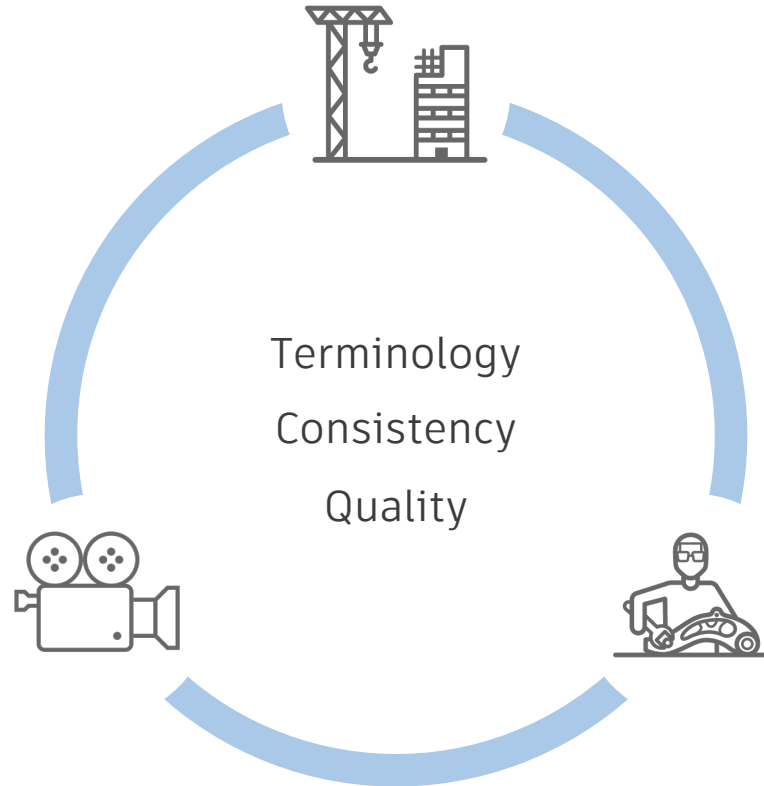


Manufacturing

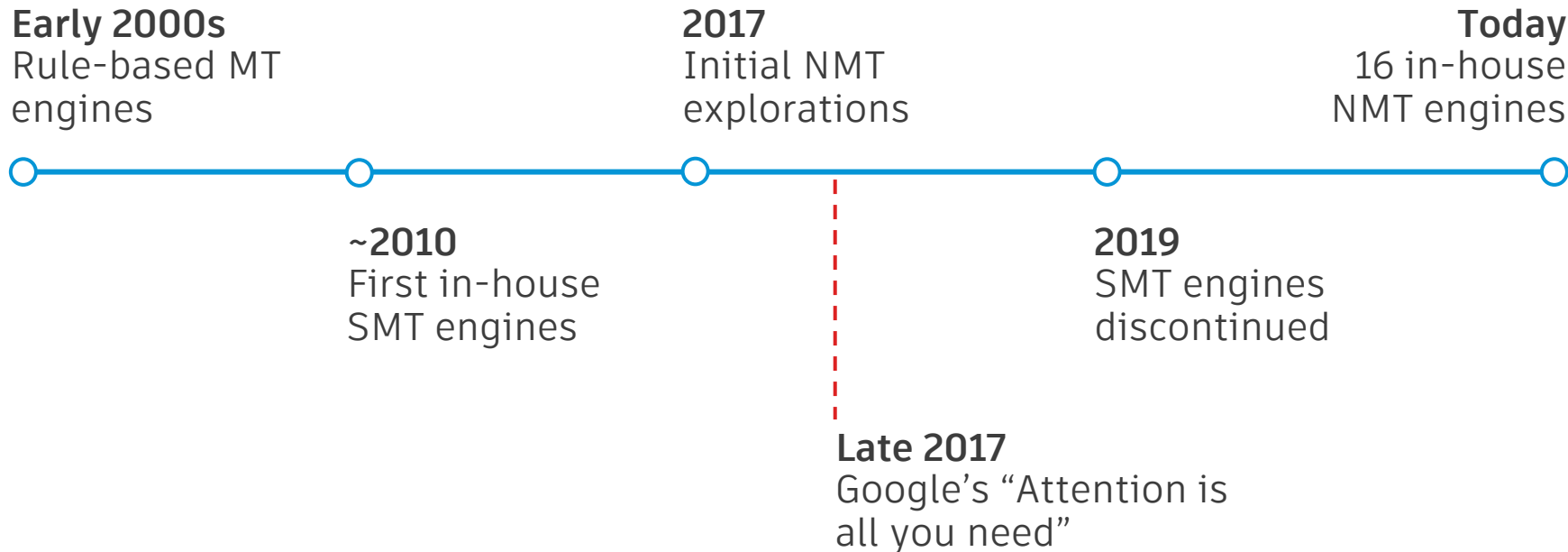


Media and
Entertainment

Our Localization Challenges



Autodesk's MT history



Why in-house?



Confidentiality
Privacy



Quality



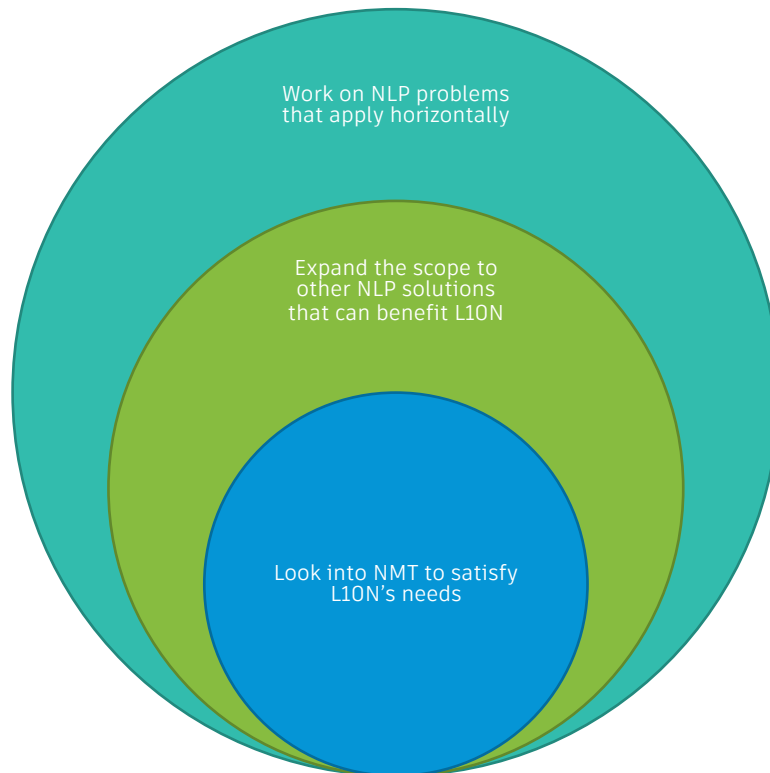
Know-how

Quality

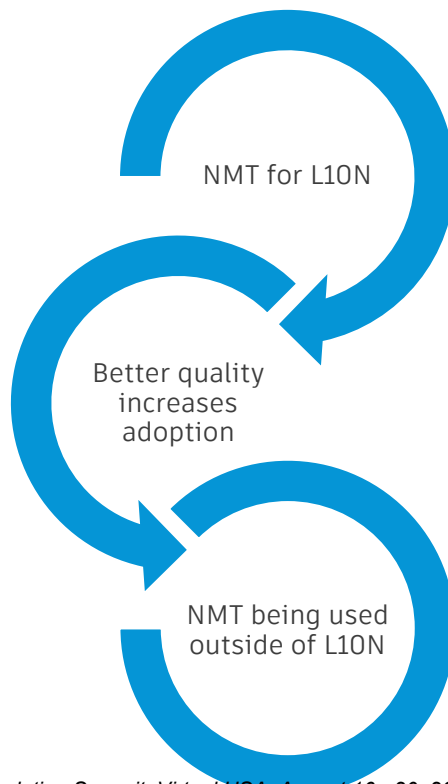
- Better overall quality and a more consistent handling of “external entities”
 - Less post-editing (PE) required
 - Better PE rates
 - More raw MT content
- Ability to fix problems quickly and with increased precision

Language	Difference (average rating points)	Autodesk	Best-Performing Competitor
Czech	2.46	78.56	76.10 (Google)
German	5.49	91.64	86.15 (Google)
Hungarian	9.17	73.80	64.63 (Google)
Chinese (Simplified)	5.71	87.68	81.97 (Google)
Japanese	1.72	89.21	87.60 (Google)
Portuguese (Brazilian)	2.32	89.30	86.96 (Google)
Spanish	5.16	90.12	84.96 (Google)

Know-how



NMT Beyond Localization





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Make anything™