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وینتر سیتی ٲیکنیکل
9:05
UNIVERSITI TEKNIKAL MALAYSIA MELAKA
Monday, February







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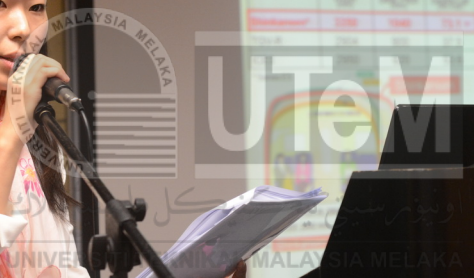
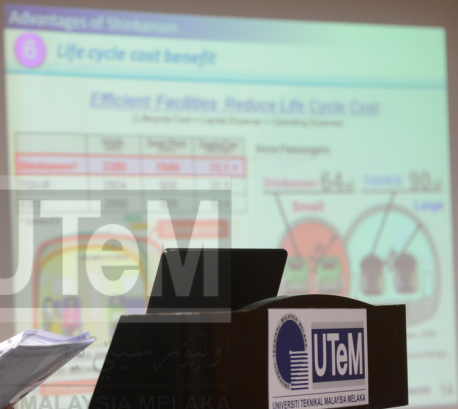














Advantages of Shinkansen

6 Life cycle cost benefit (Cont'd)

Efficient maintenance Reduces Lifecycle Cost

$L(\text{Maintenance Cost}) = \text{Capital Expense} - \text{Operating Expense}$

Shinkansen can lower the long term maintenance cost by:

1. Shinkansen's light body weight has lower impacts to infrastructure such as rails and bridges.
2. Technology advancement of durable materials reduces replacement cycle length and...

High speed maintenance vehicle

Country	Year	Speed
Japan	1959	210 km/h
France	1974	270 km/h
Germany	1991	300 km/h
Spain	2005	310 km/h
China	2008	350 km/h
UK	2009	300 km/h
South Korea	2011	305 km/h
India	2014	320 km/h
USA	2015	300 km/h

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Terima Kasih



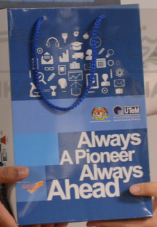
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Objectives

However, compositions, structures, and formation mechanisms of the second phases, possibly Ruddlesden-Popper type compounds (at the time so believed at that time), are still

For study, we prepared the $\text{Sr}_{1-x}\text{La}_x\text{TiO}_3$ synthesized by the citric-gel method at 1500°C in air and examined the second phases in the perovskites, in order to understand the formation of second phases during SOFC

Objectives

However, compositions, structures, and formation mechanisms of the second phases, possibly Ruddlesden-Popper type compounds (at least, so believed at that time), are still unclear.

In this study, we prepared the $\text{Sr}_{1-x}\text{La}_x\text{TiO}_3$ samples synthesized by the citric-gel method after firing at 1500°C in air and examined second phases in the perovskites, in order to clarify the second phases during SOFC operations.