### **Emerging digital skills**

Examples of skills mapped out for workers in the energy, chemicals and utility industries.



Technicians		
Skill description	Knowledge	Proficienc
Analysis of data and trends: Identify trends in data and detect problems: visualise data	Data visualisation on tools like Tableau, Olikview Oliksense	Expert

### effectively

management: Understand

Microsoft Power Bl. Sisense

Automation management:

Monitor and interpret system performance metrics; look at how to integrate more automation

Process control: plant design and simulation packages

Digital identity of

'things'; encryption

Expert

Intermediate

Industrial cyber-security

cyber-security risks; use and types and security interpret installed tools and infrastructure; systems to detect, manage and incident response respond to incidents triage



		IT-specialist engineers	
Skill description		Kn	
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# Big data management: Synthesise data across entire

# plants for monitoring and process improvement

Simulation and modelling:

classical statistics, spatial

and unstructured data

renderings, 3D models, functional mock-ups

Industrial user

Understand temporal statistics,

statistics: analysis of structured

interface/experience design:

Create wire frames, illustrations,

HDFS: Abache Cassandra, DocumentDB, MongoDB; Hadoop MvSQL. MS-SQL. SQLite: Oracle DB

Forecasting.

time-series

analysis; ANOVA; SQL, JSON, XML;

statistical graphics

Adobe Photoshop.

Illustrator, InDesign

Source: ACCENTURE STRAITS TIMES GRAPHICS

**Proficiency** 

Expert

Expert

Intermediate

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